

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
 Data File : BG020014.D
 Acq On : 8 Dec 2015 12:30
 Operator : UM/SJ
 Sample : G4684-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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	2.987	20	25	45	rVB	1600492	2368875	88.63%	3.906%
2	5.660	473	480	487	rBV	430487	703915	26.34%	1.161%
3	6.101	550	555	564	rVB2	137712	226622	8.48%	0.374%
4	7.194	736	741	746	rVV	152364	241618	9.04%	0.398%
5	7.259	746	752	759	rVV2	534385	984576	36.84%	1.623%
6	7.640	811	817	826	rVV	430893	801352	29.98%	1.321%
7	7.723	826	831	834	rVV	310489	502585	18.80%	0.829%
8	7.758	834	837	843	rVV	250873	378809	14.17%	0.625%
9	8.440	948	953	958	rVV	286304	508725	19.03%	0.839%
10	8.663	983	991	994	rVV2	124523	331784	12.41%	0.547%
11	8.757	1001	1007	1013	rBV3	250294	509216	19.05%	0.840%
12	8.874	1021	1027	1031	rBV	125243	208028	7.78%	0.343%
13	9.121	1064	1069	1076	rVB	105194	197870	7.40%	0.326%
14	9.227	1076	1087	1091	rBV	217605	458295	17.15%	0.756%
15	9.280	1091	1096	1101	rVV	253728	523700	19.59%	0.863%
16	9.338	1101	1106	1112	rVB	616507	1025327	38.36%	1.690%
17	9.474	1124	1129	1137	rVB3	113059	243287	9.10%	0.401%
18	9.568	1137	1145	1148	rBV3	72759	190791	7.14%	0.315%
19	9.750	1171	1176	1181	rBV2	117296	198920	7.44%	0.328%
20	9.808	1181	1186	1190	rBV	132027	223425	8.36%	0.368%
21	10.049	1223	1227	1232	rVV3	134129	235840	8.82%	0.389%
22	10.114	1232	1238	1244	rVV3	148430	361256	13.52%	0.596%
23	10.173	1244	1248	1258	rVV4	189180	508077	19.01%	0.838%
24	10.267	1258	1264	1269	rVV2	174944	357452	13.37%	0.589%
25	10.331	1269	1275	1281	rVV4	300391	743575	27.82%	1.226%
26	10.384	1281	1284	1290	rVV2	132550	226662	8.48%	0.374%
27	10.449	1290	1295	1298	rVV	135191	218019	8.16%	0.359%
28	10.561	1309	1314	1320	rVB	172280	311533	11.66%	0.514%
29	10.625	1320	1325	1333	rBV2	94483	194675	7.28%	0.321%
30	10.895	1365	1371	1381	rVV3	943185	1834301	68.63%	3.024%
31	10.984	1383	1386	1392	rVV3	132598	284692	10.65%	0.469%
32	11.042	1392	1396	1398	rVV	126746	207703	7.77%	0.342%
33	11.078	1399	1402	1408	rVB	250569	392378	14.68%	0.647%
34	11.142	1408	1413	1420	rBV2	115942	247977	9.28%	0.409%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
 Data File : BG020014.D
 Acq On : 8 Dec 2015 12:30
 Operator : UM/SJ
 Sample : G4684-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	11.401	1452	1457	1466	rVB3	171897	385064	14.41%	0.635%
36	11.630	1492	1496	1502	rVV5	193895	454489	17.00%	0.749%
37	11.683	1502	1505	1513	rVB4	90789	212139	7.94%	0.350%
38	11.759	1513	1518	1525	rBV3	221754	408336	15.28%	0.673%
39	11.836	1525	1531	1538	rBV3	302016	594570	22.25%	0.980%
40	11.941	1544	1549	1553	rVV	272099	446520	16.71%	0.736%
41	12.029	1560	1564	1570	rVB	117886	207833	7.78%	0.343%
42	12.118	1573	1579	1586	rBV2	405143	716643	26.81%	1.182%
43	12.335	1607	1616	1622	rBV	1168135	1911226	71.51%	3.151%
44	12.470	1635	1639	1644	rVB2	201905	291527	10.91%	0.481%
45	12.546	1648	1652	1655	rVV3	143276	266761	9.98%	0.440%
46	12.582	1655	1658	1667	rVB2	175737	295495	11.06%	0.487%
47	12.828	1688	1700	1705	rBV2	364872	861756	32.24%	1.421%
48	12.958	1717	1722	1726	rBV4	174382	284424	10.64%	0.469%
49	13.005	1726	1730	1737	rVB5	95076	202967	7.59%	0.335%
50	13.063	1737	1740	1744	rBV2	117814	216146	8.09%	0.356%
51	13.134	1749	1752	1757	rVB	286036	384185	14.37%	0.633%
52	13.222	1763	1767	1772	rBV3	181231	325953	12.20%	0.537%
53	13.275	1772	1776	1784	rVV2	338412	695447	26.02%	1.147%
54	13.369	1787	1792	1802	rVV	618402	1049482	39.27%	1.730%
55	13.563	1820	1825	1833	rVB	1392870	2065725	77.29%	3.406%
56	13.692	1842	1847	1851	rVV	242605	410367	15.35%	0.677%
57	13.904	1879	1883	1887	rBV5	141117	218429	8.17%	0.360%
58	14.027	1899	1904	1907	rBV5	149979	313042	11.71%	0.516%
59	14.074	1909	1912	1916	rVV4	252399	513016	19.19%	0.846%
60	14.121	1917	1920	1925	rVV4	315959	489041	18.30%	0.806%
61	14.192	1925	1932	1934	rVV3	398568	783094	29.30%	1.291%
62	14.215	1934	1936	1939	rVV	510540	593441	22.20%	0.978%
63	14.256	1939	1943	1948	rVV2	437839	711925	26.64%	1.174%
64	14.327	1948	1955	1960	rVB5	304555	658730	24.65%	1.086%
65	14.632	2002	2007	2015	rVB	1725346	2326155	87.03%	3.835%
66	14.709	2015	2020	2023	rBV5	226554	428315	16.02%	0.706%
67	14.744	2023	2026	2032	rVB2	234522	360860	13.50%	0.595%
68	14.955	2057	2062	2069	rVB3	149356	330150	12.35%	0.544%
69	15.067	2077	2081	2083	rBV2	176582	252038	9.43%	0.416%
70	15.132	2088	2092	2096	rVV2	240443	408159	15.27%	0.673%
71	15.243	2104	2111	2118	rBV4	313453	633291	23.69%	1.044%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
 Data File : BG020014.D
 Acq On : 8 Dec 2015 12:30
 Operator : UM/SJ
 Sample : G4684-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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	15.308	2120	2122	2126	rVB	161504	195356	7.31%	0.322%
73	15.361	2126	2131	2134	rBV3	179422	339860	12.72%	0.560%
74	15.584	2163	2169	2173	rVV	1826794	2524229	94.44%	4.162%
75	15.631	2173	2177	2182	rVV3	122386	250698	9.38%	0.413%
76	15.678	2182	2185	2195	rVB8	134950	330245	12.36%	0.544%
77	15.984	2229	2237	2242	rBV	523955	1100314	41.17%	1.814%
78	16.078	2249	2253	2258	rVB	186553	275499	10.31%	0.454%
79	16.130	2259	2262	2269	rVV3	164616	304940	11.41%	0.503%
80	16.195	2270	2273	2275	rVV2	275205	347684	13.01%	0.573%
81	16.230	2275	2279	2285	rVB	577685	839299	31.40%	1.384%
82	16.442	2310	2315	2318	rBV	1802236	2672815	100.00%	4.407%
83	16.777	2368	2372	2376	rBV2	165428	283087	10.59%	0.467%
84	16.841	2380	2383	2388	rVV3	261508	357723	13.38%	0.590%
85	16.941	2397	2400	2404	rVB2	208869	259466	9.71%	0.428%
86	17.235	2445	2450	2453	rBV	1463791	1895692	70.92%	3.125%
87	17.282	2454	2458	2462	rVB	550433	757514	28.34%	1.249%
88	17.488	2488	2493	2497	rBV2	239546	423171	15.83%	0.698%
89	17.699	2526	2529	2536	rVB2	172919	261409	9.78%	0.431%
90	17.764	2536	2540	2546	rBV4	159233	276514	10.35%	0.456%
91	17.887	2557	2561	2565	rBV	183167	265662	9.94%	0.438%
92	17.970	2570	2575	2581	rVB	1382376	1722374	64.44%	2.840%
93	18.657	2687	2692	2697	rBV	1125636	1349232	50.48%	2.224%
94	19.280	2793	2798	2803	rBV	901134	1099536	41.14%	1.813%
95	19.856	2892	2896	2899	rVB	646668	734952	27.50%	1.212%
96	20.085	2930	2935	2940	rVB	1066171	1384185	51.79%	2.282%
97	20.378	2981	2985	2990	rVB	453218	522277	19.54%	0.861%
98	20.878	3066	3070	3080	rVB	266934	343941	12.87%	0.567%
99	21.753	3213	3219	3232	rVB	255870	480587	17.98%	0.792%
100	25.032	3766	3777	3790	rBV2	132567	397613	14.88%	0.656%

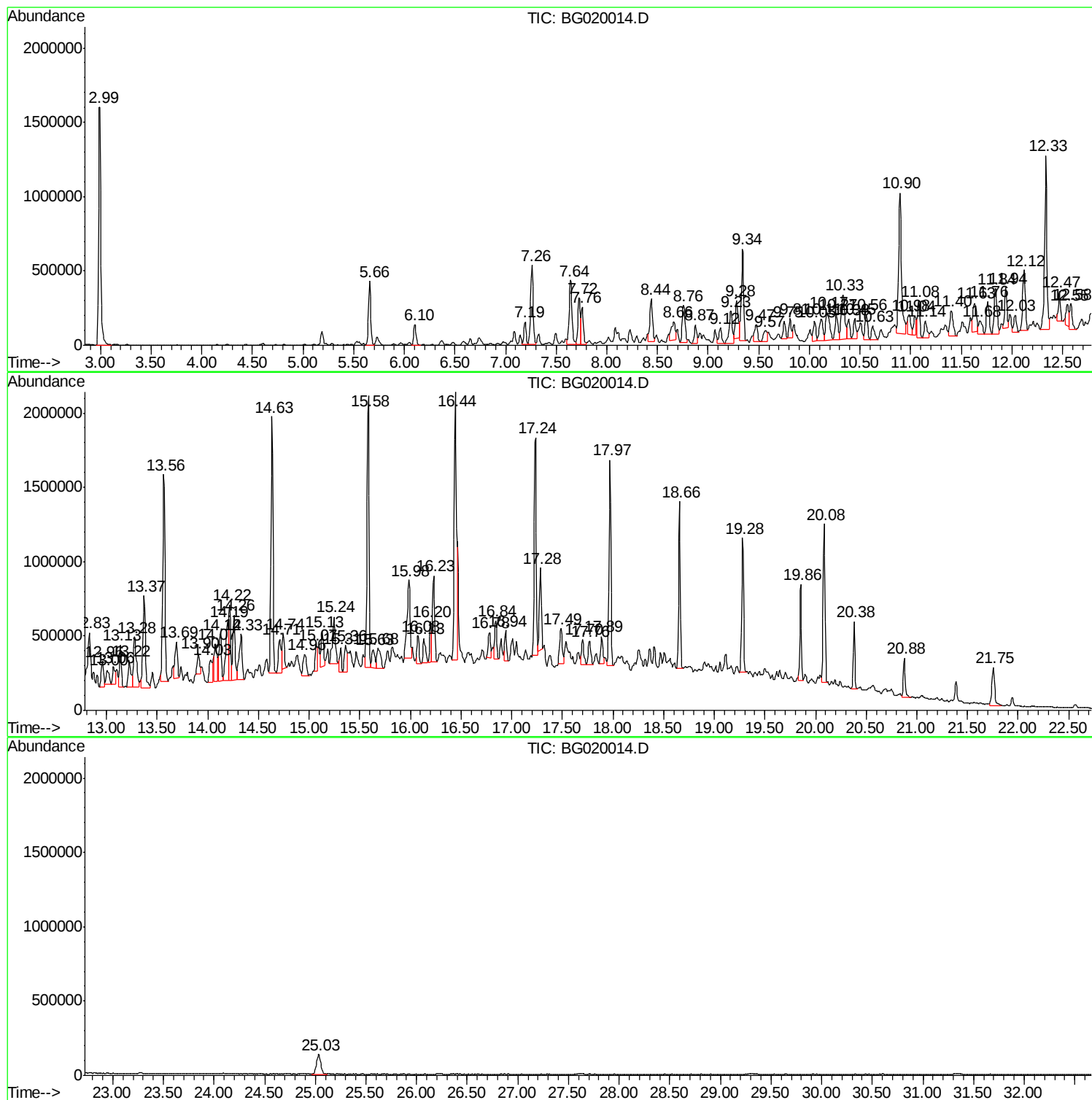
Sum of corrected areas: 60654475

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

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 : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

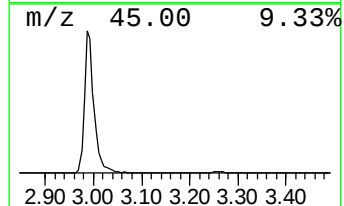
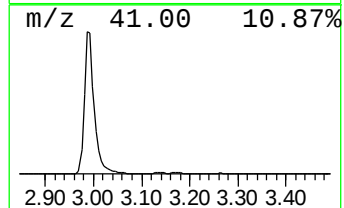
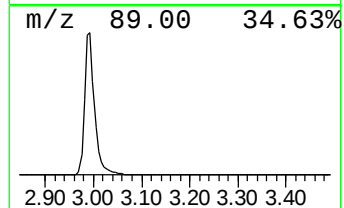
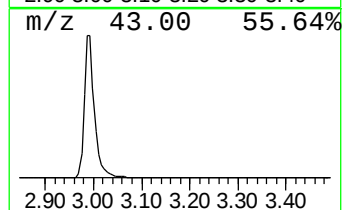
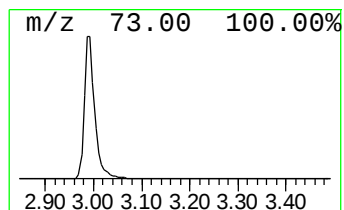
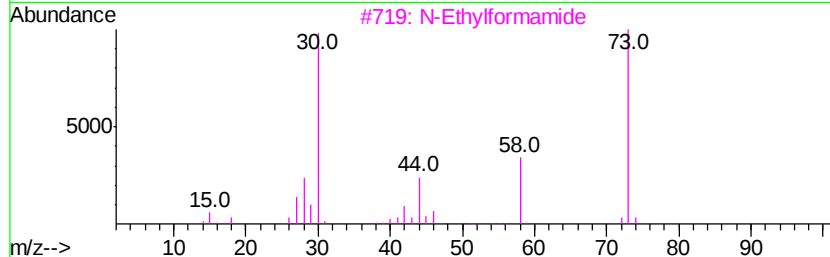
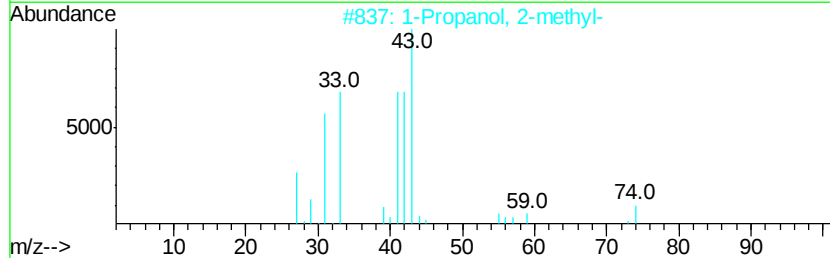
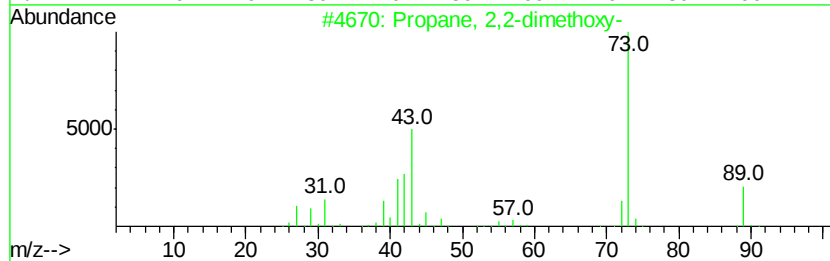
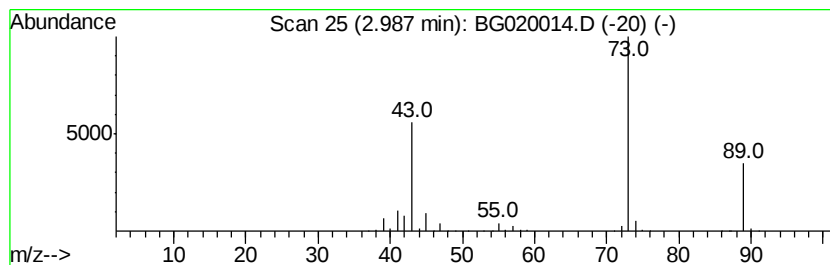
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	93.13 ng	2368880	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9
5		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

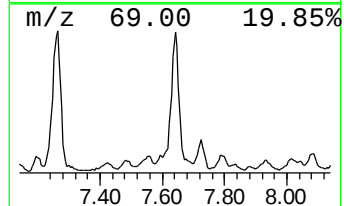
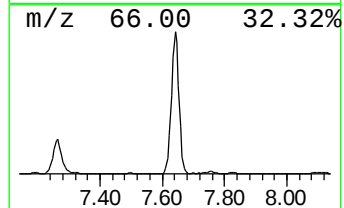
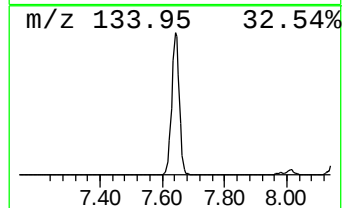
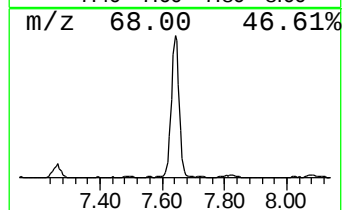
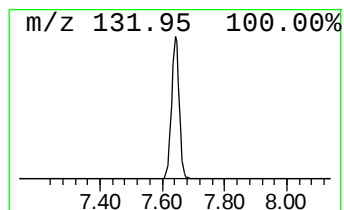
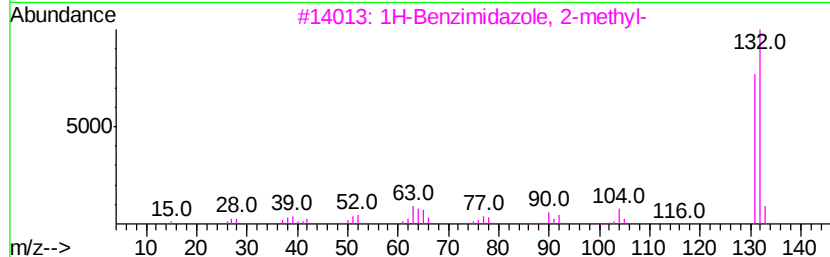
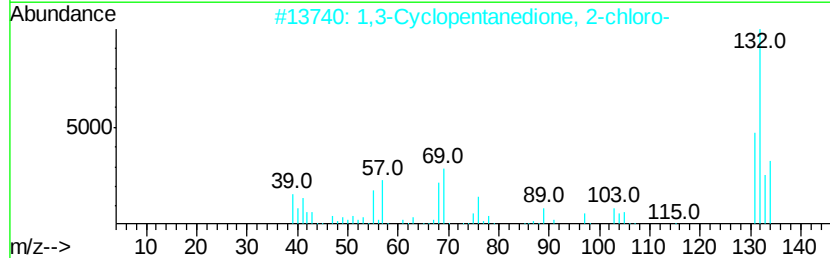
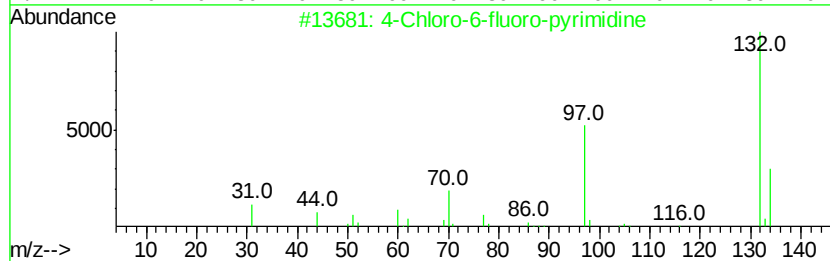
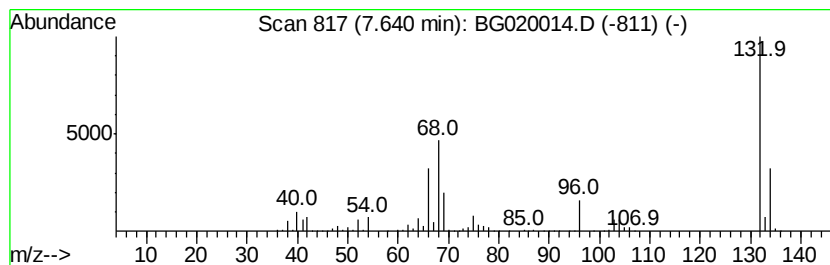
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.64 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	31.50 ng	801352	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Aminoindole	132	C8H8N2	005192-03-0	22
5		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

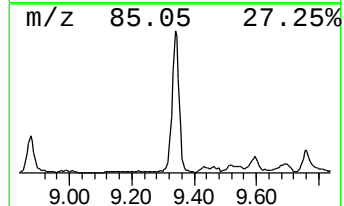
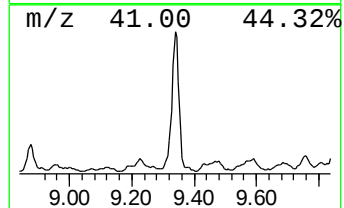
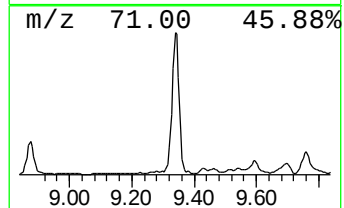
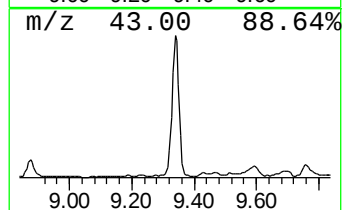
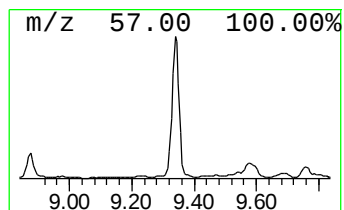
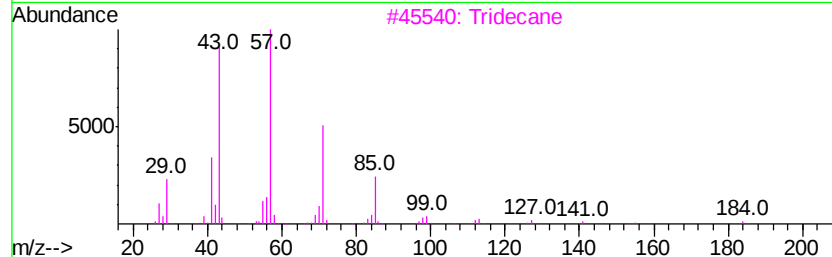
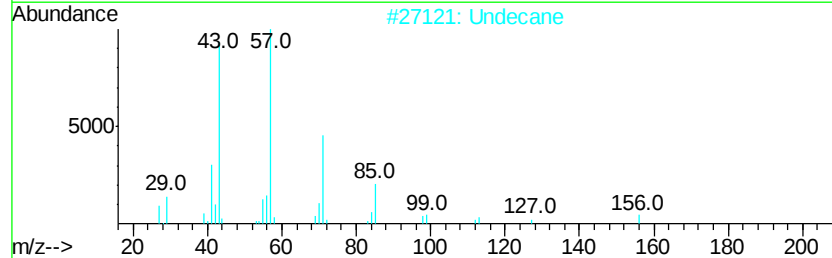
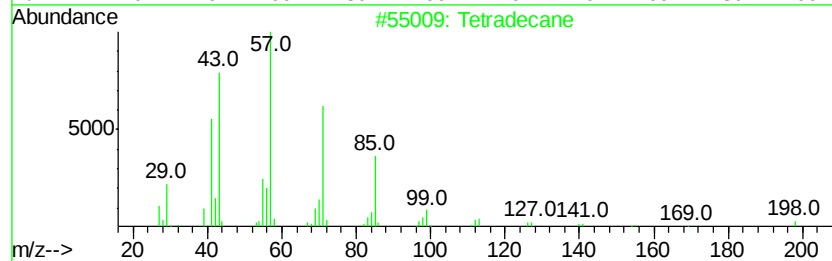
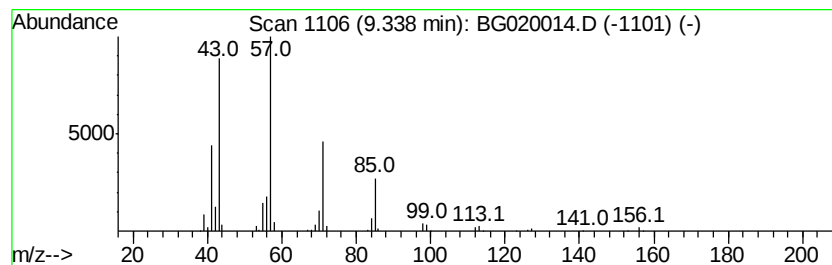
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	40.31 ng	1025330	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Undecane	156	C11H24	001120-21-4	87
3		Tridecane	184	C13H28	000629-50-5	86
4		Eicosane	282	C20H42	000112-95-8	83
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

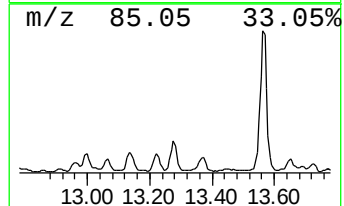
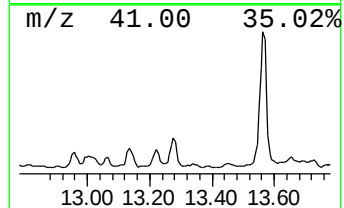
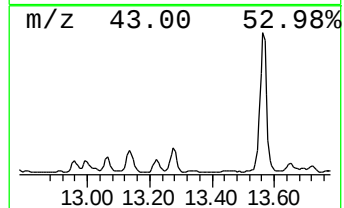
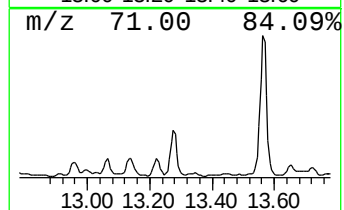
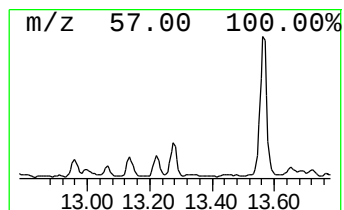
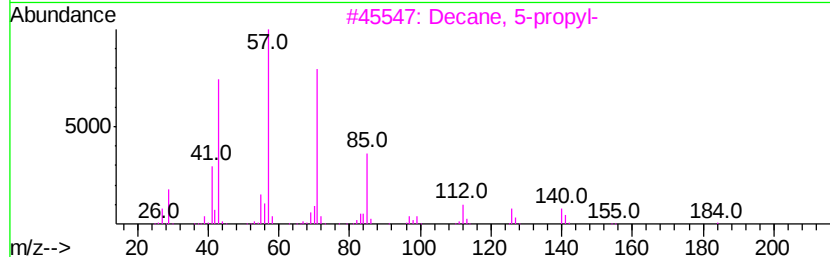
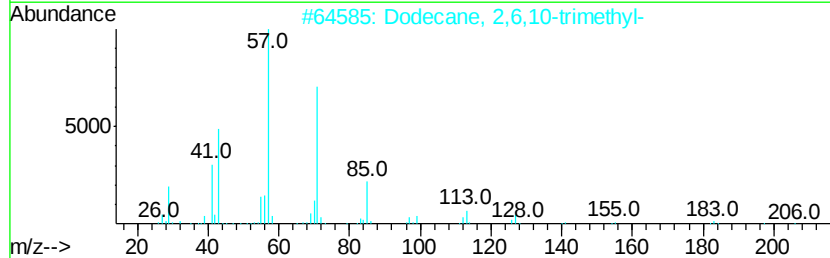
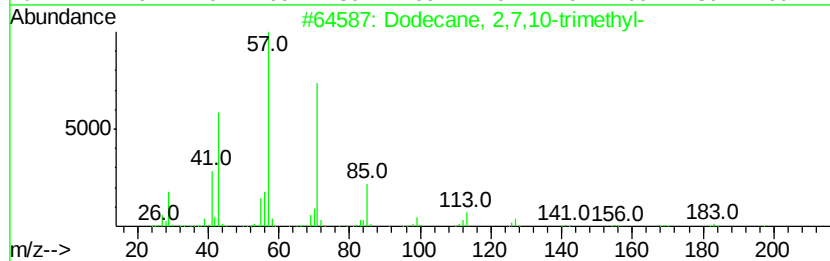
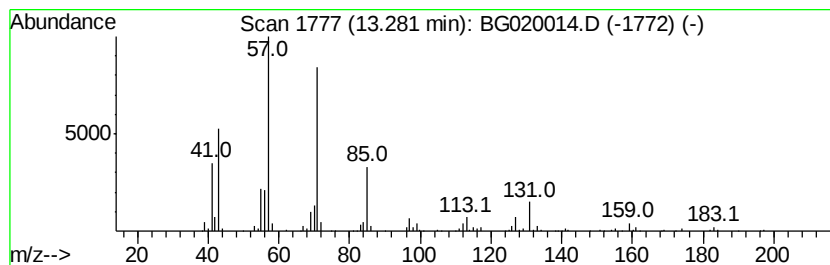
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dodecane, 2,7,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	38.54 ng	695447	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3		Decane, 5-propyl-	184	C13H28	017312-62-8	74
4		Octadecane	254	C18H38	000593-45-3	64
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

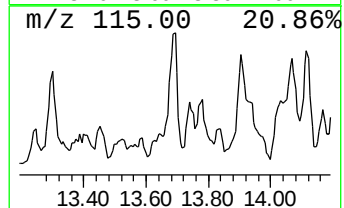
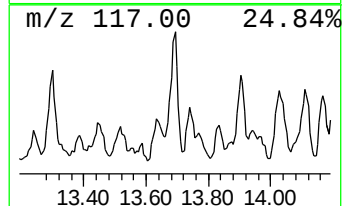
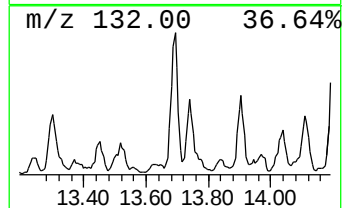
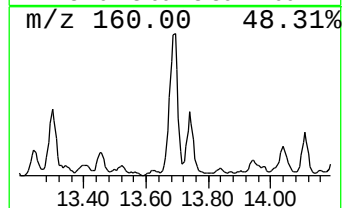
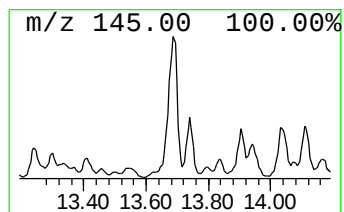
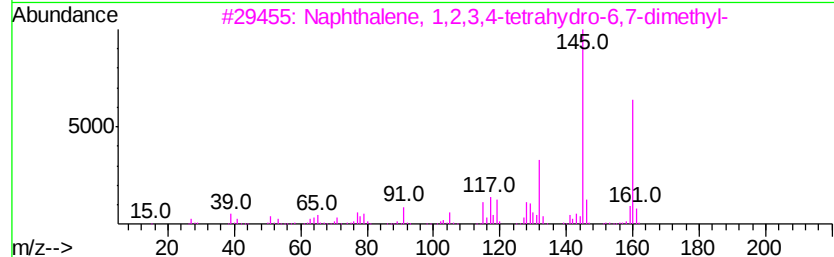
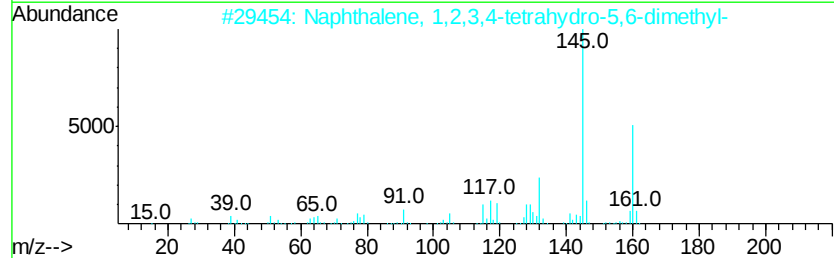
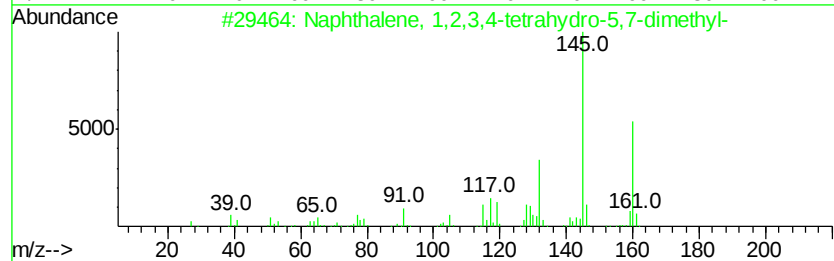
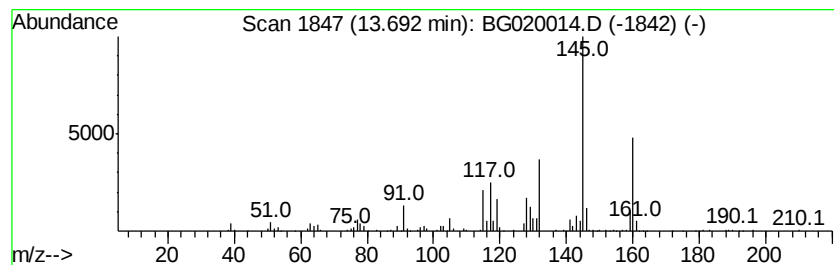
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	22.74 ng	410367	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	96
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	96
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	89
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

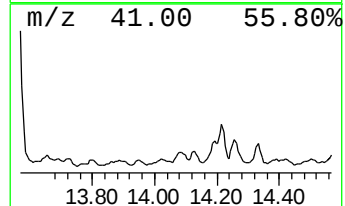
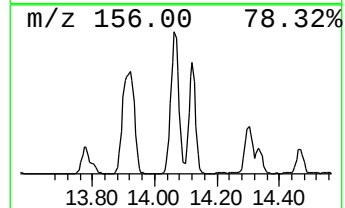
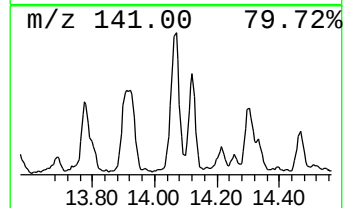
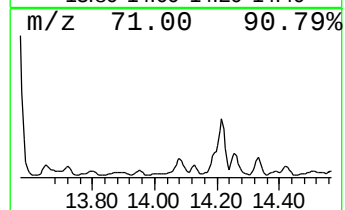
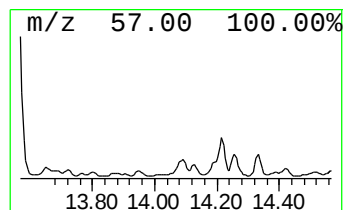
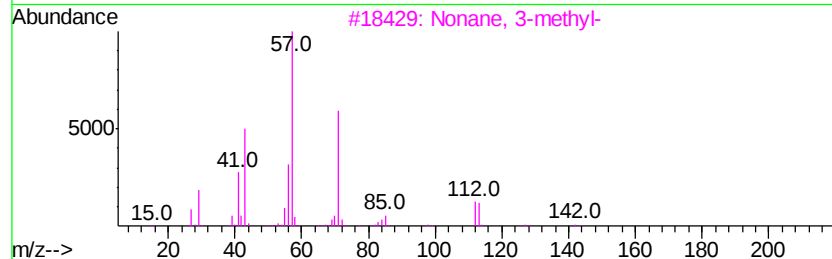
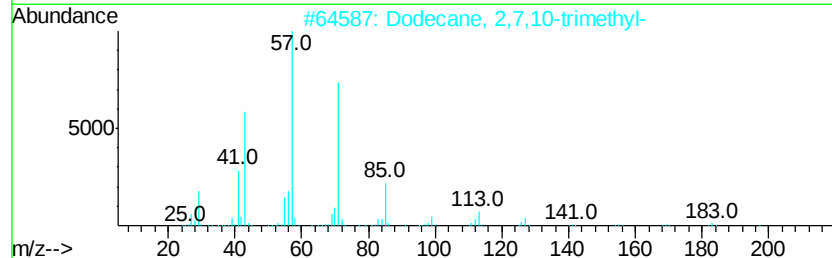
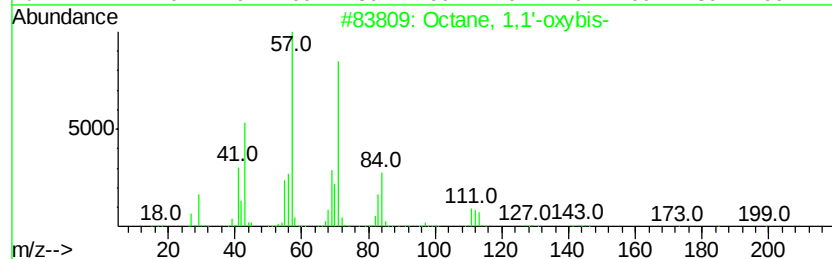
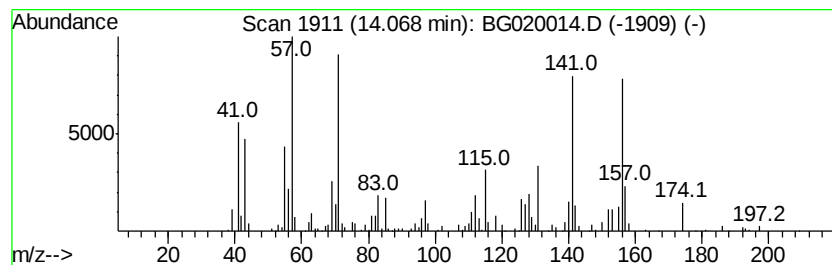
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 1,1'-oxybis- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	28.43 ng	513016	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	49
4		Ethanone, 1-(3-ethylcyclobutyl)-	126	C8H14O	056335-71-8	49
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

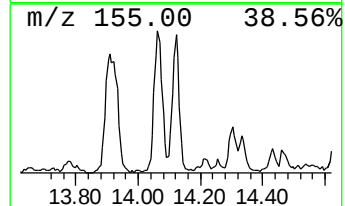
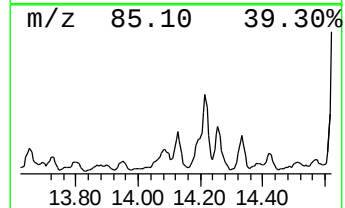
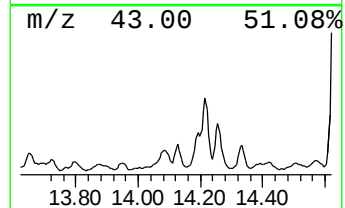
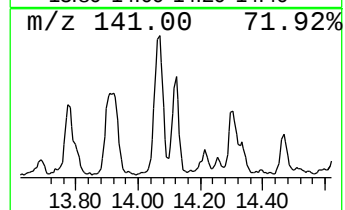
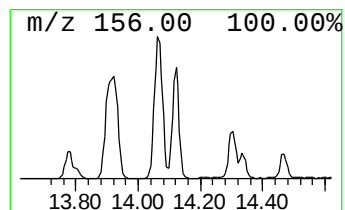
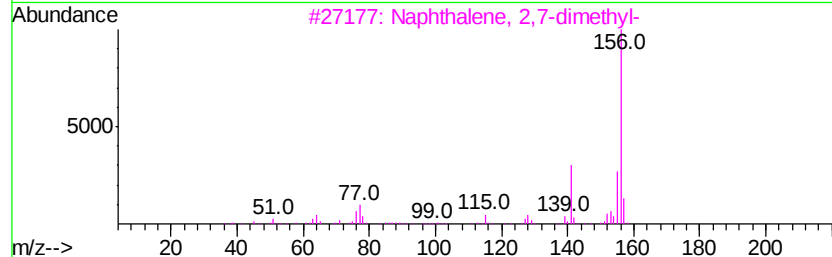
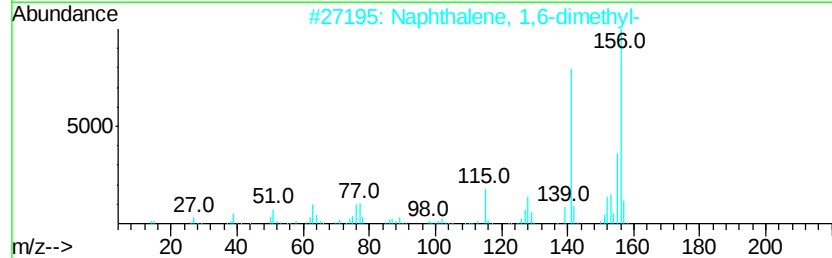
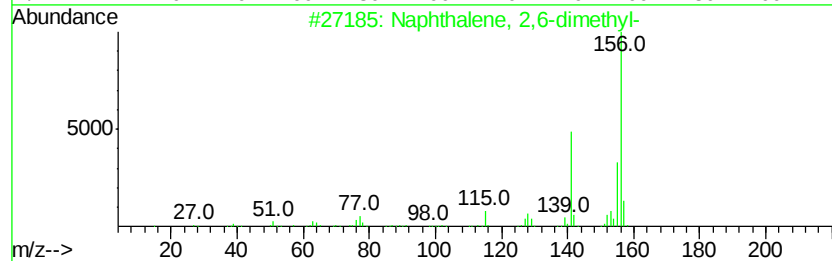
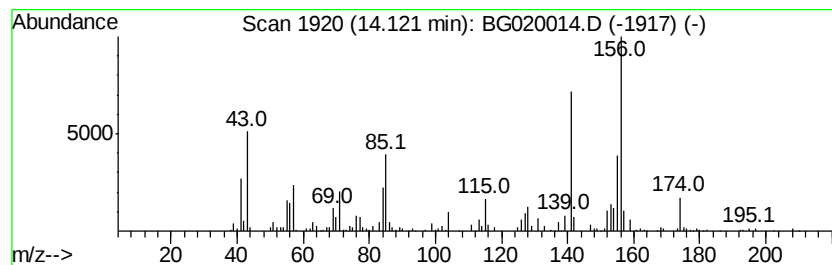
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	27.10 ng	489041	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	86
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	83
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	70
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	64
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	60



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

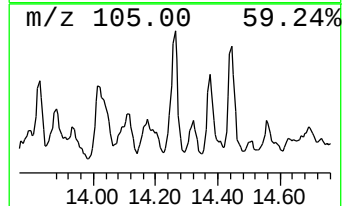
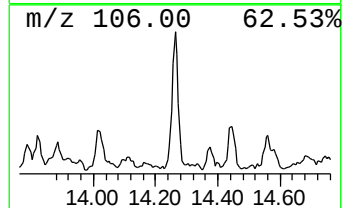
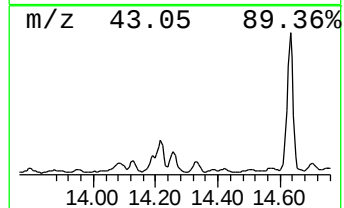
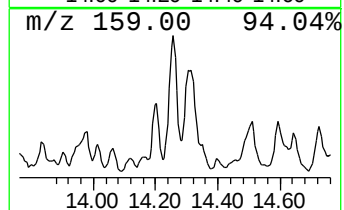
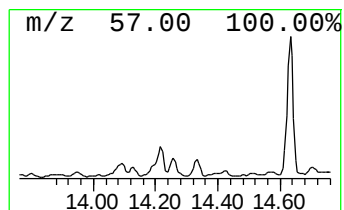
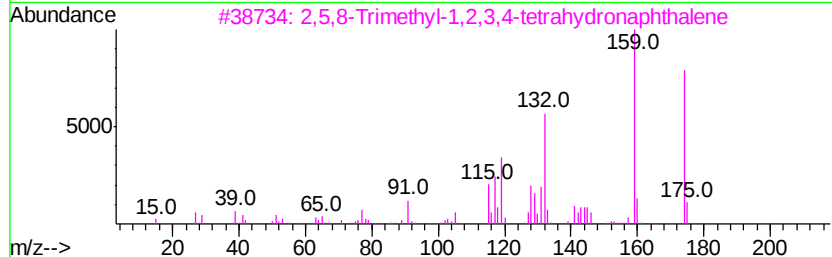
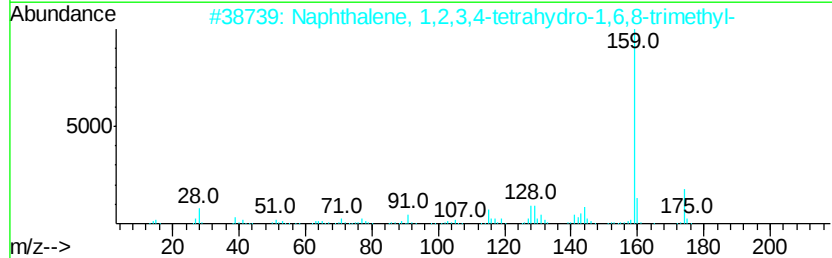
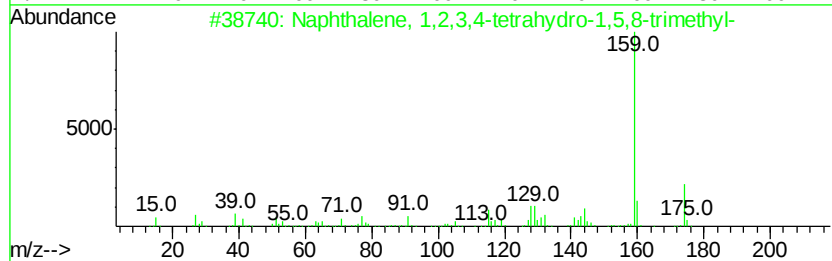
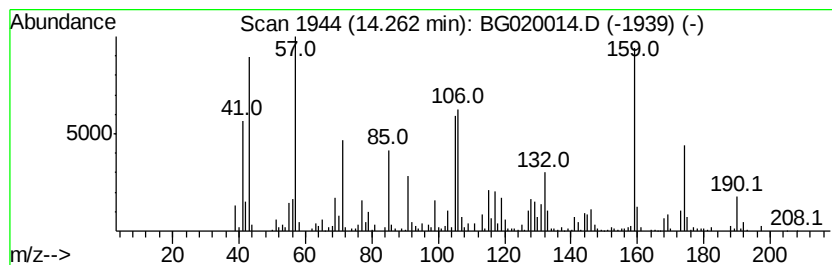
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	39.46 ng	711925	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	83
2		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	83
3		2,5,8-Trimethyl-1,2,3,4-tetrahydro...	174	C13H18	068269-15-8	78
4		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	022824-32-4	70
5		Benzene, 2-(2-butenyl)-1,3,5-tri...	174	C13H18	063435-25-6	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

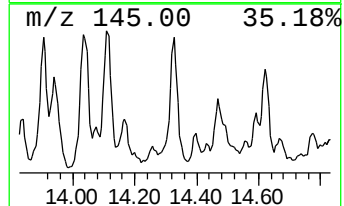
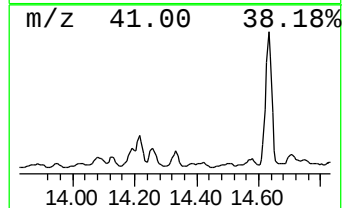
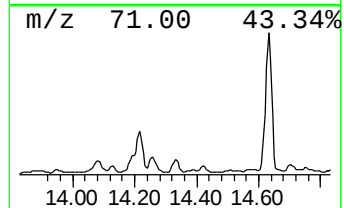
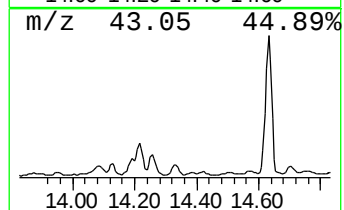
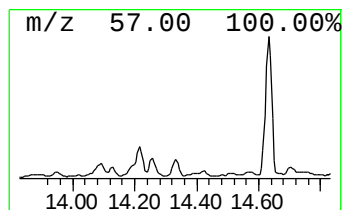
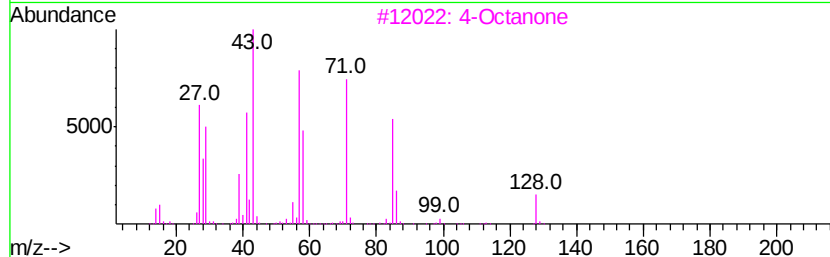
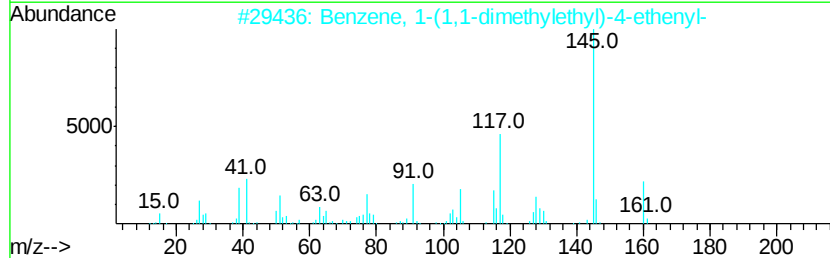
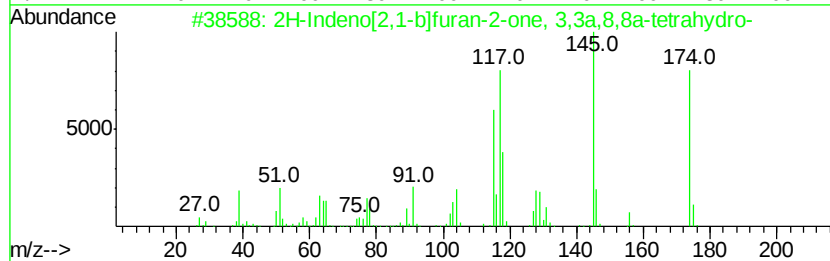
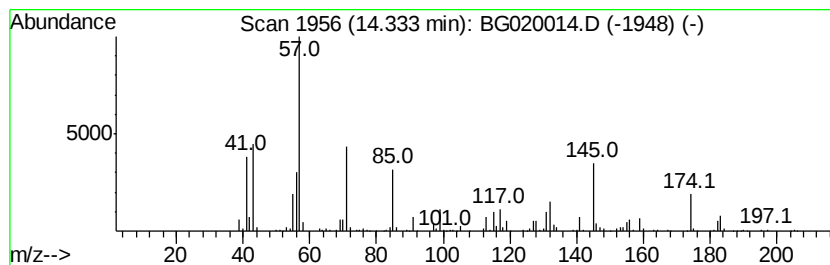
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown14.33 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	36.51 ng	658730	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2H-Indeno[2,1-b]furan-2-one, 3,3...	174	C11H10O2	080343-98-2	30
2		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	20
3		4-Octanone	128	C8H16O	000589-63-9	18
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	15
5		3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	11



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

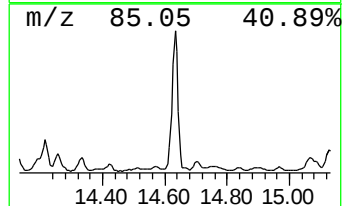
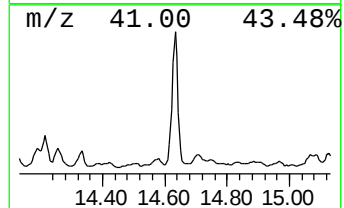
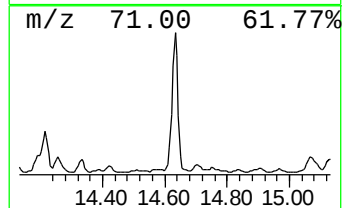
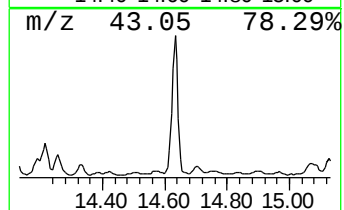
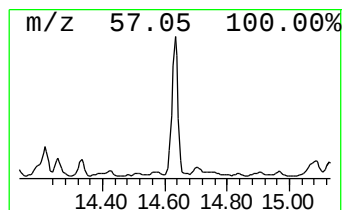
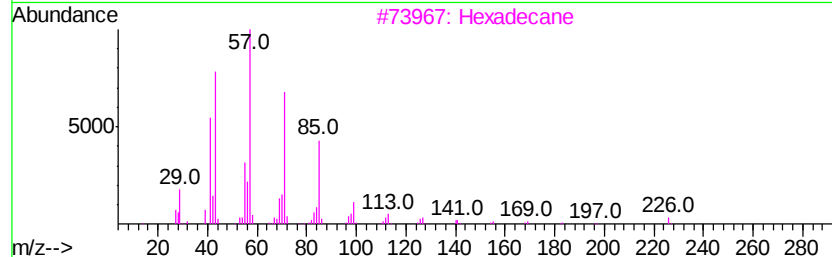
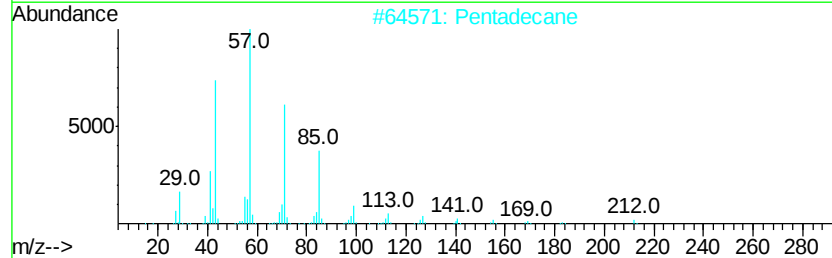
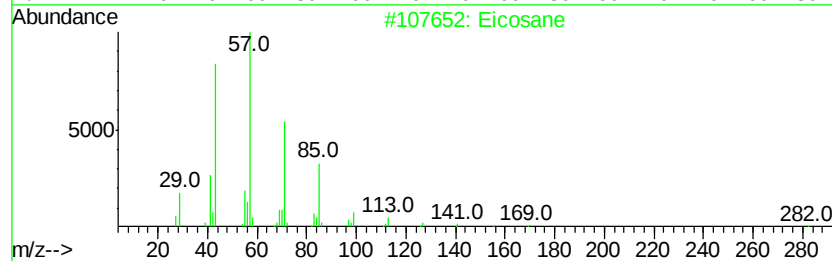
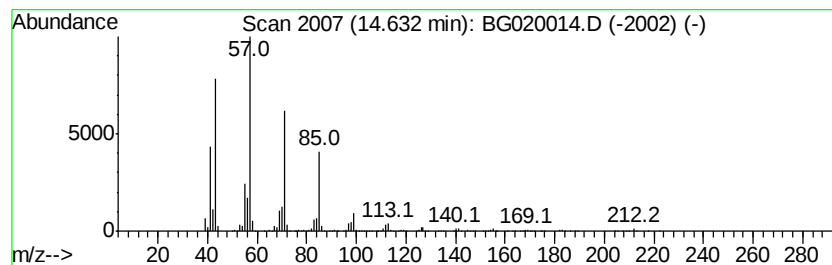
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	128.92 ng	2326160	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	91
2		Pentadecane	212	C15H32	000629-62-9	91
3		Hexadecane	226	C16H34	000544-76-3	91
4		Tetradecane	198	C14H30	000629-59-4	91
5		Nonadecane	268	C19H40	000629-92-5	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
UST-1

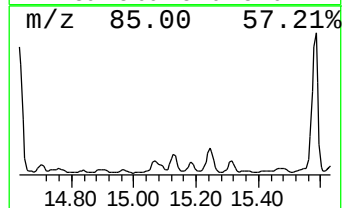
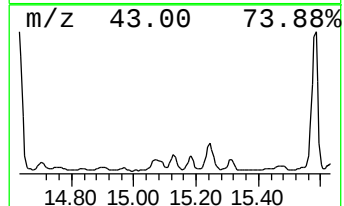
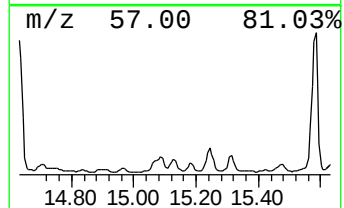
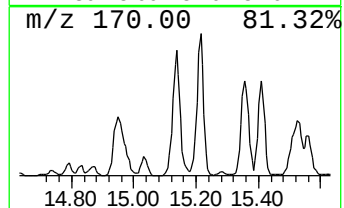
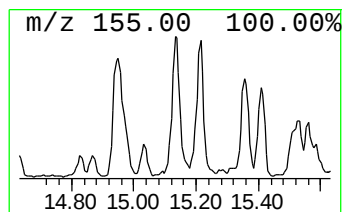
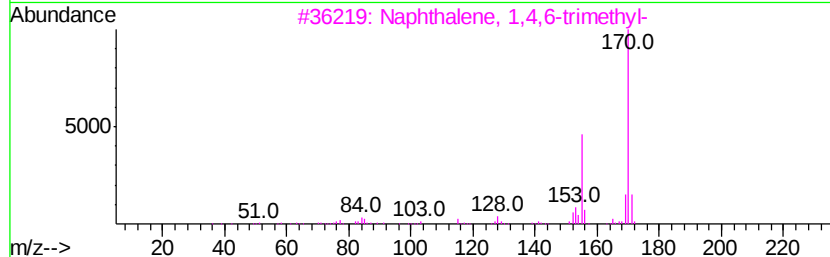
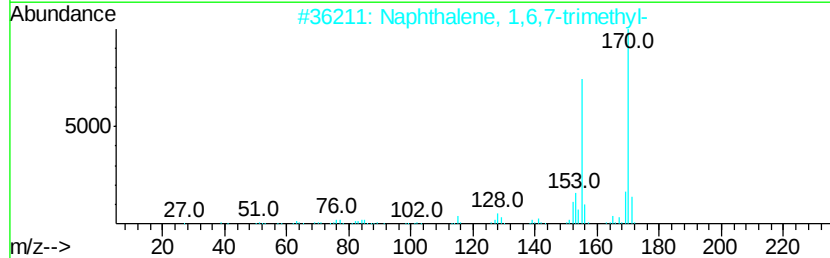
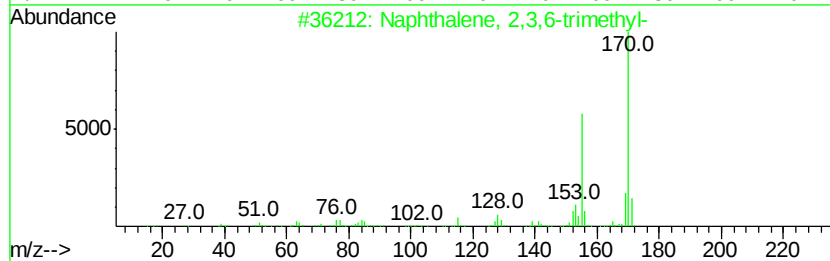
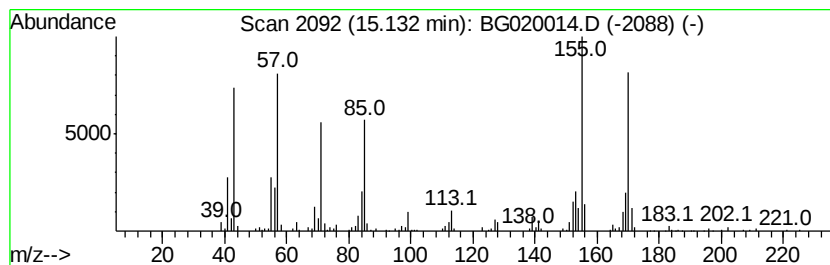
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	22.62 ng	408159	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

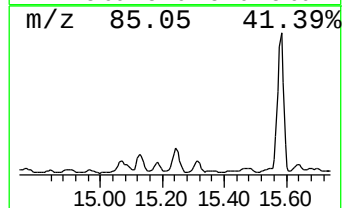
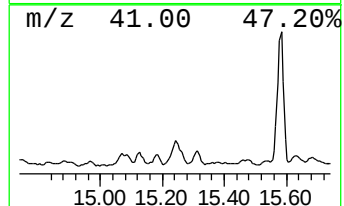
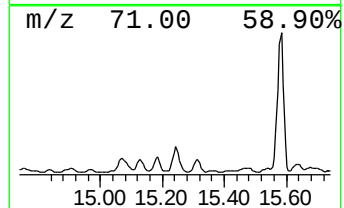
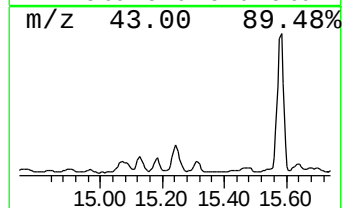
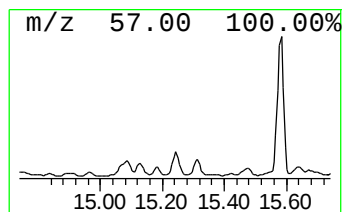
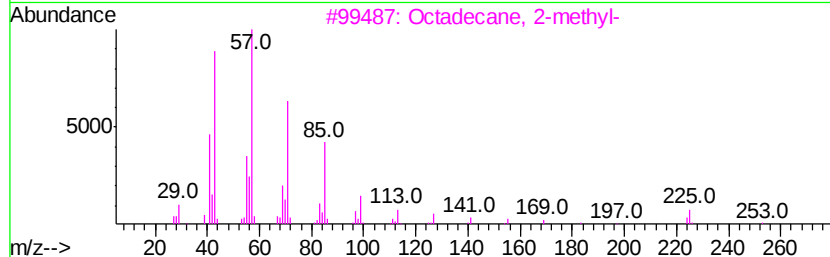
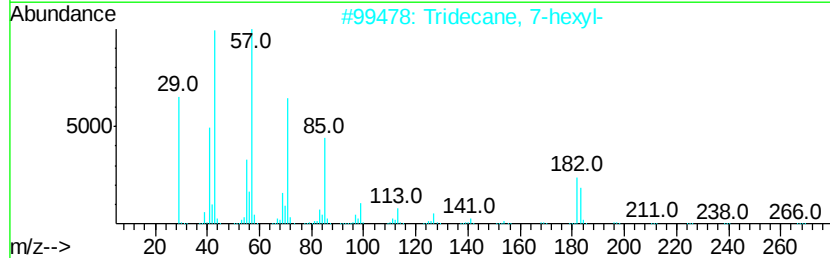
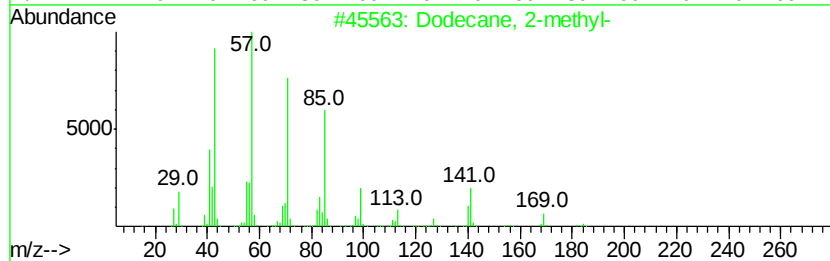
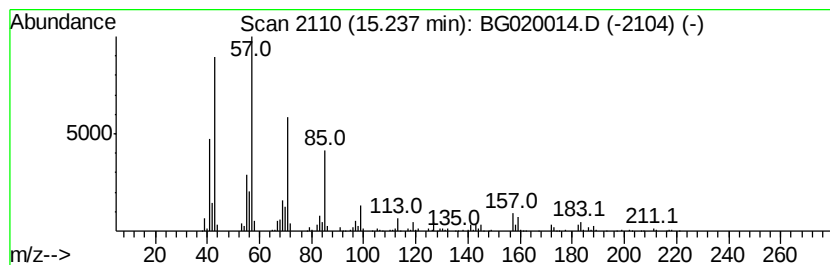
Instrument :
BNA_G
ClientSampleId :
UST-1

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 12 Dodecane, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.24	35.10 ng	633291	Acenaphthene-d10	14.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	89
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	83
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	83
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

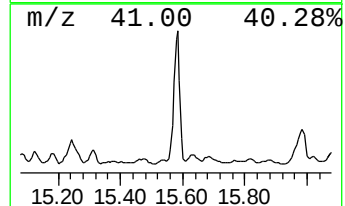
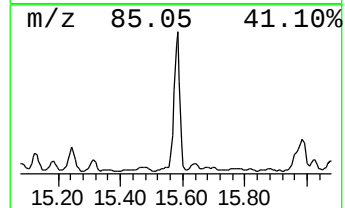
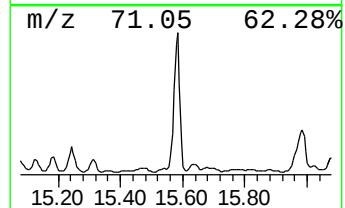
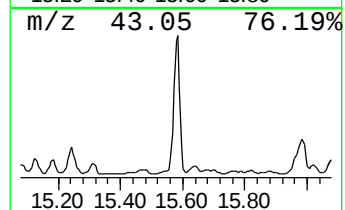
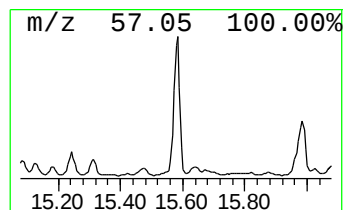
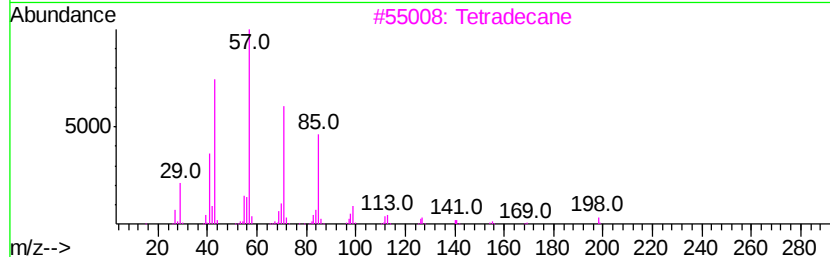
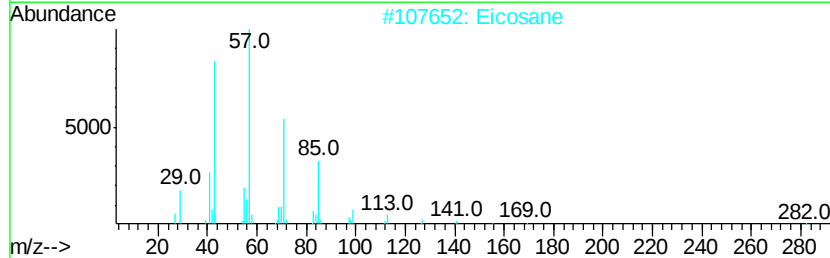
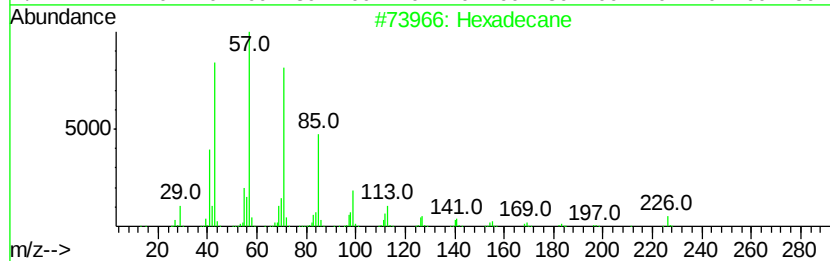
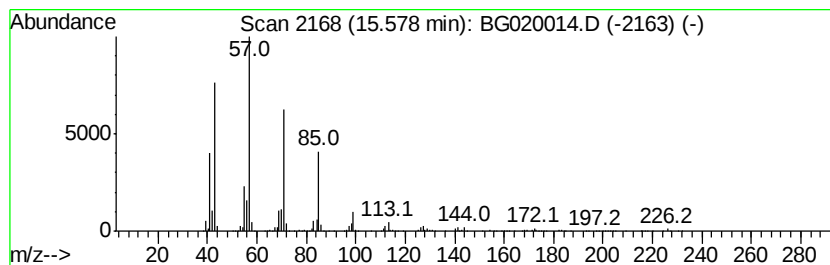
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	139.90 ng	2524230	Acenaphthene-d10	14.74

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	Tetradecane		198	C14H30	000629-59-4	90
4	Pentadecane		212	C15H32	000629-62-9	90
5	Nonadecane		268	C19H40	000629-92-5	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

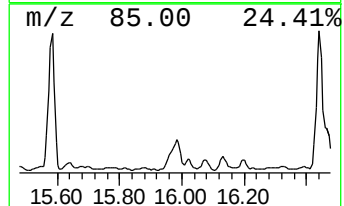
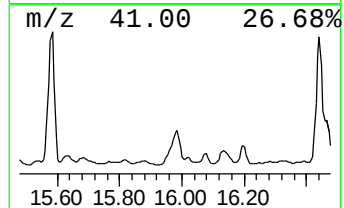
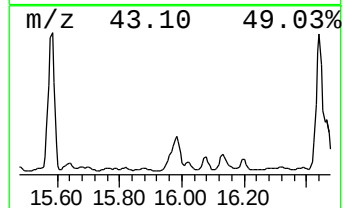
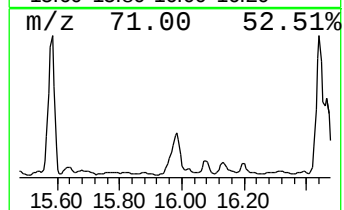
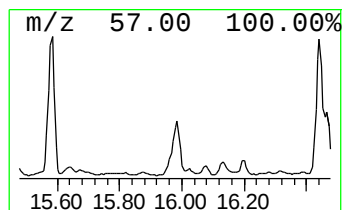
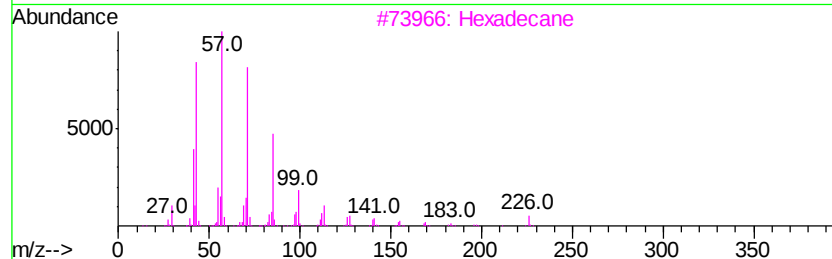
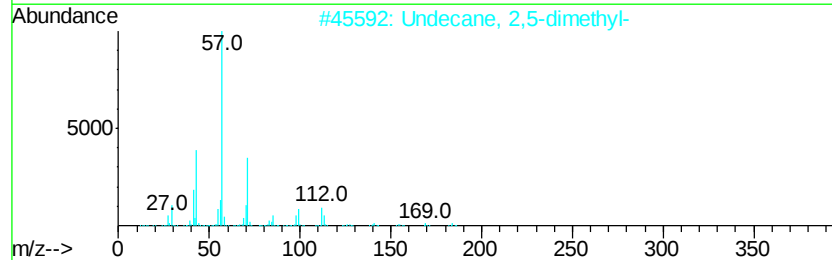
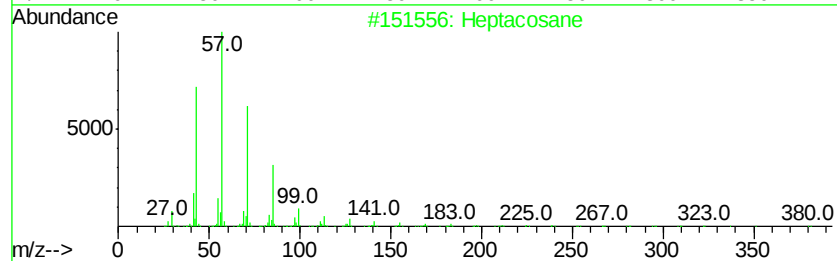
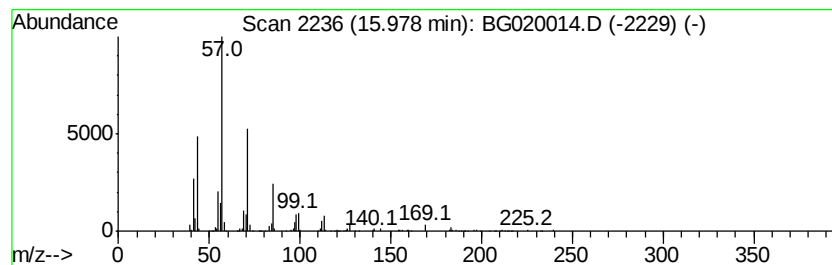
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	60.98 ng	1100310	Acenaphthene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	80
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
3		Hexadecane	226	C16H34	000544-76-3	72
4		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
5		Octacosane	394	C28H58	000630-02-4	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

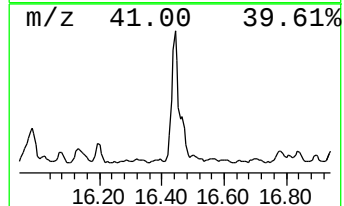
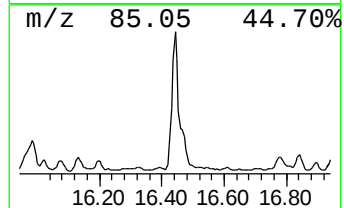
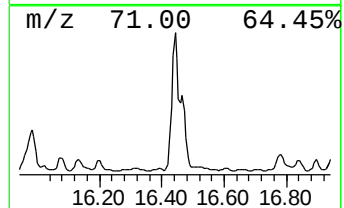
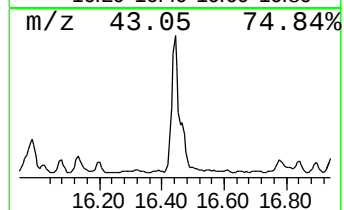
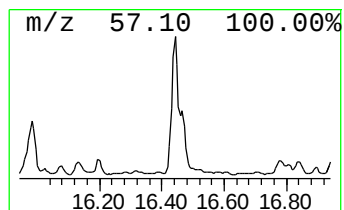
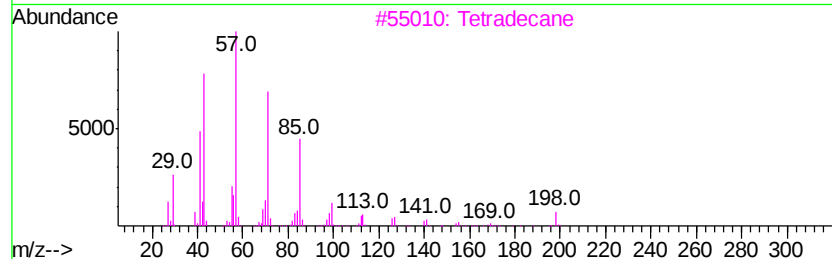
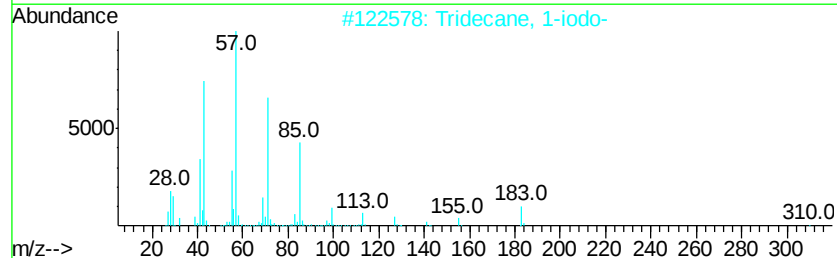
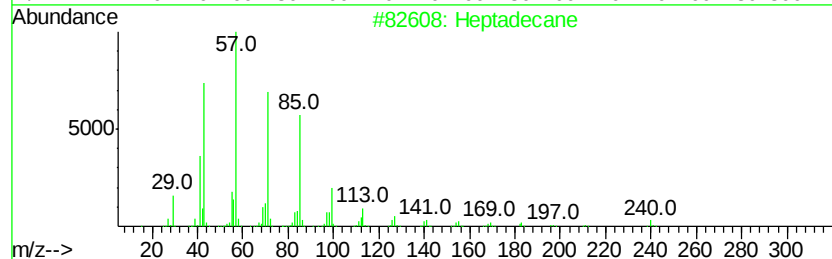
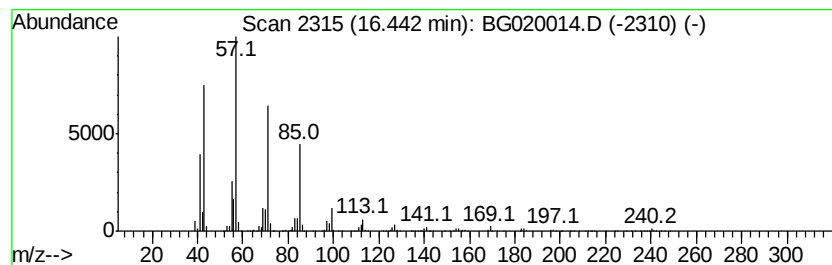
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	126.32 ng	2672820	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	97
2	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	91
3	Tetradecane		198	C14H30	000629-59-4	90
4	Dodecane		170	C12H26	000112-40-3	87
5	Nonadecane		268	C19H40	000629-92-5	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

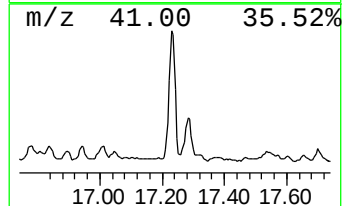
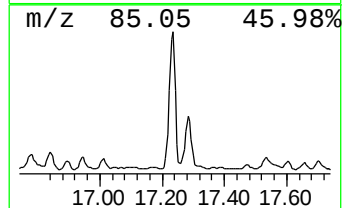
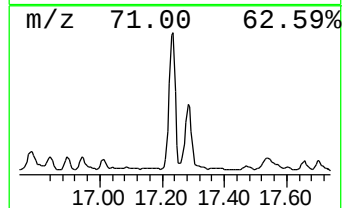
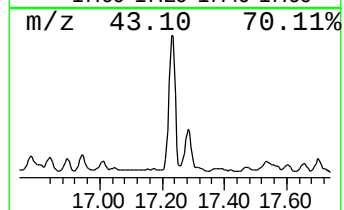
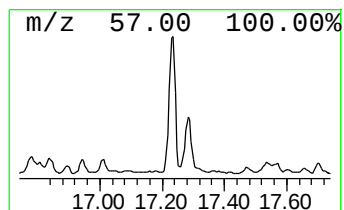
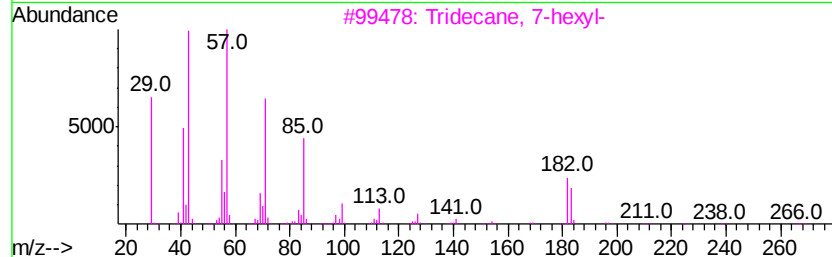
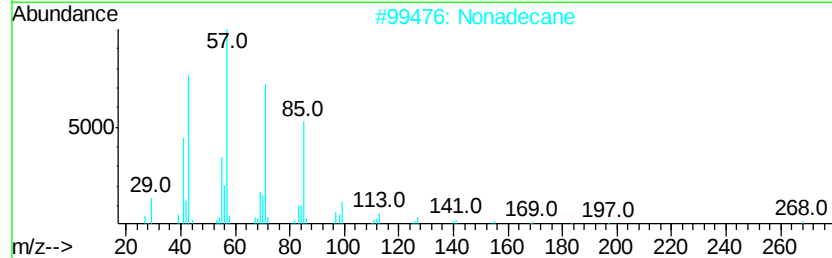
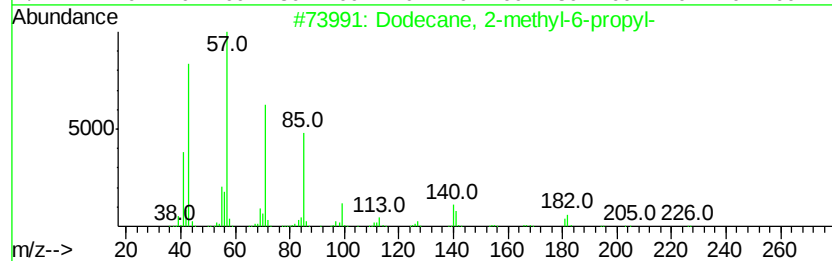
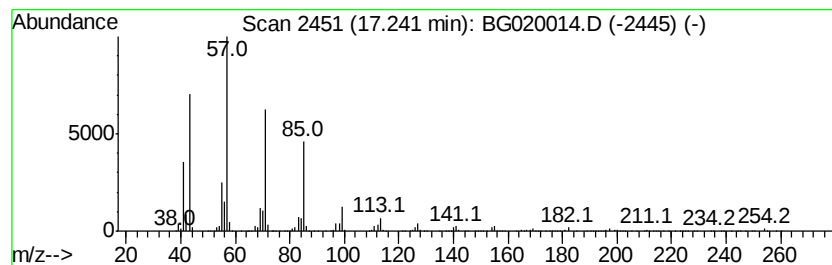
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dodecane, 2-methyl-6-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	89.59 ng	1895690	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
2		Nonadecane	268	C19H40	000629-92-5	91
3		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91
4		Eicosane	282	C20H42	000112-95-8	91
5		Octadecane	254	C18H38	000593-45-3	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

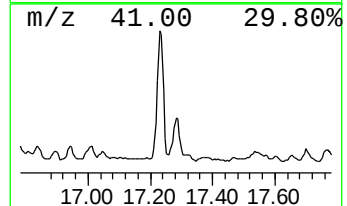
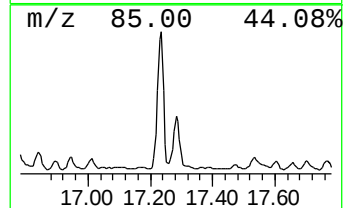
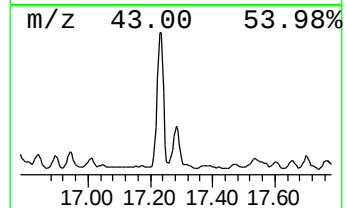
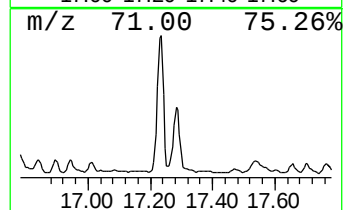
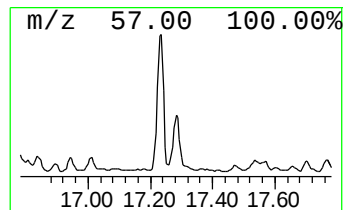
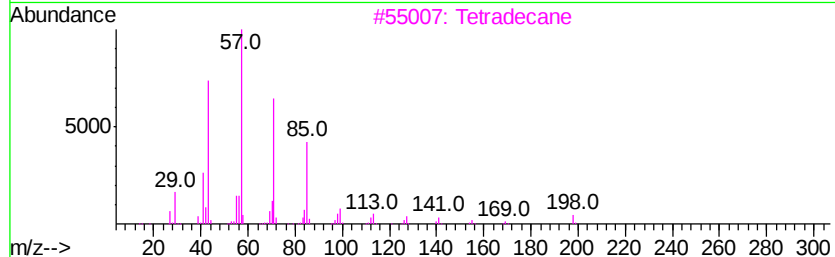
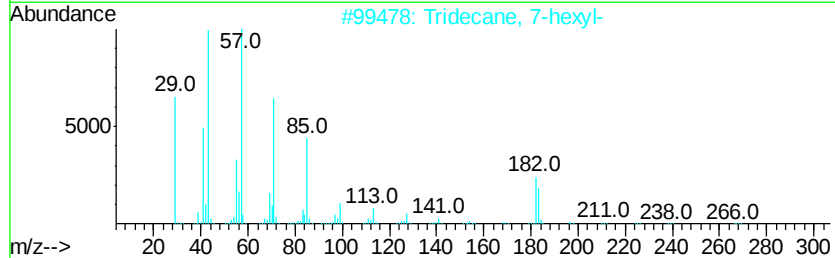
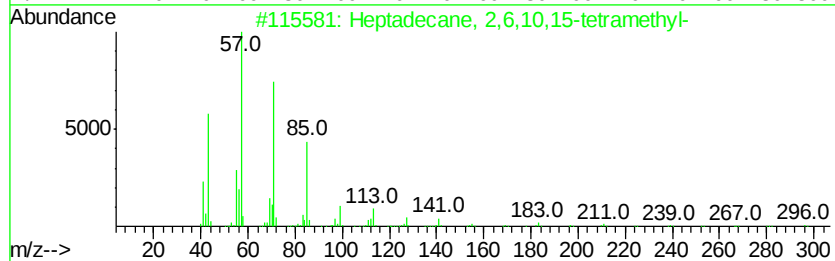
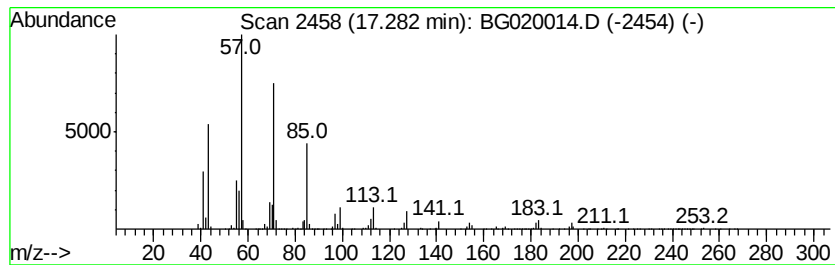
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	35.80 ng	757514	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	90
3		Tetradecane	198	C14H30	000629-59-4	83
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5		Eicosane, 2-methyl-	296	C21H44	001560-84-5	78



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

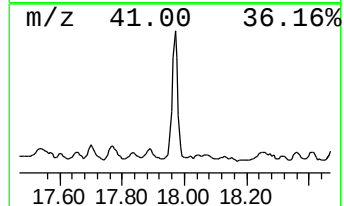
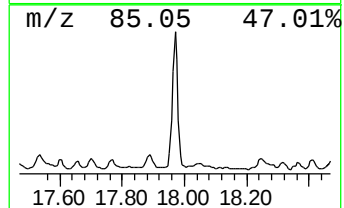
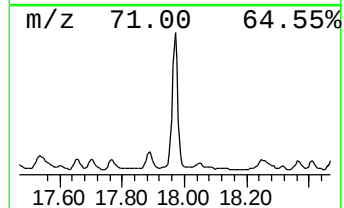
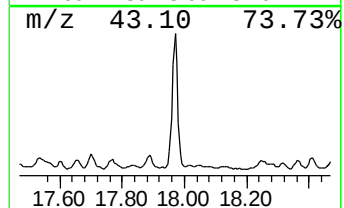
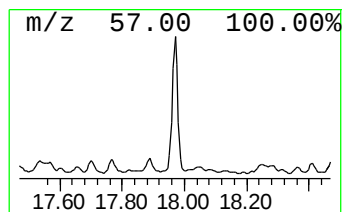
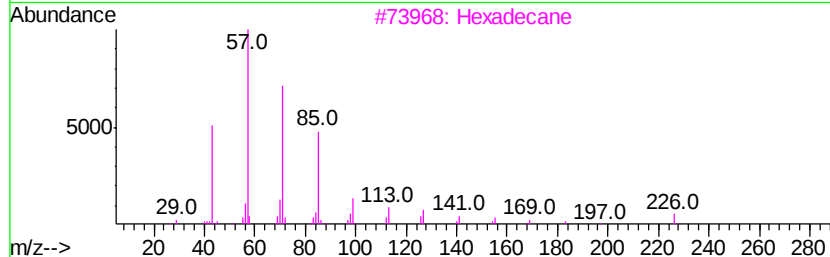
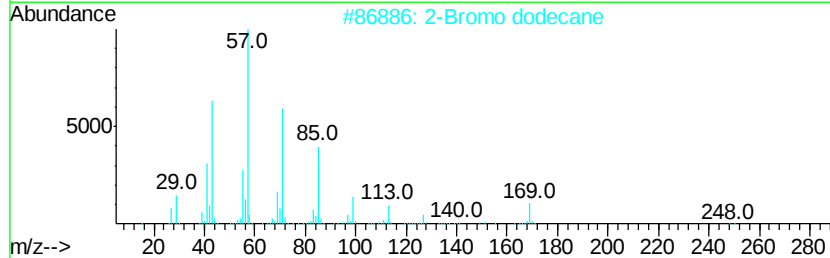
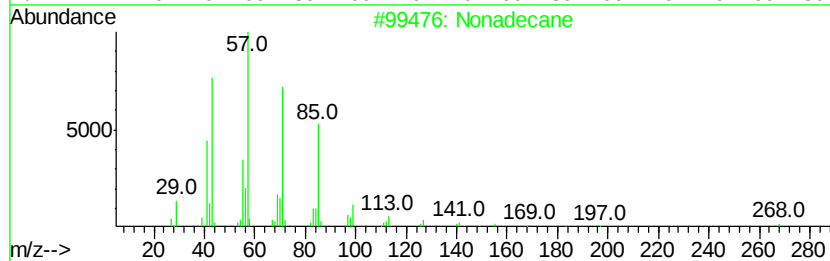
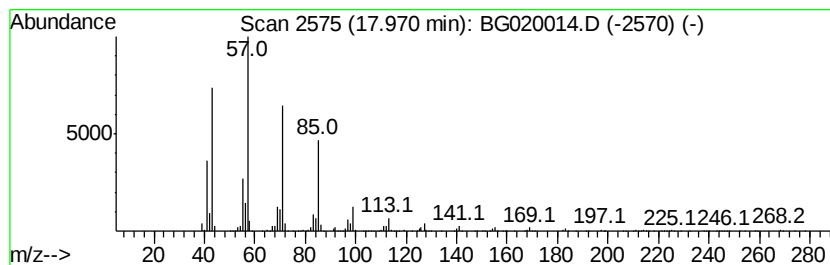
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	81.40 ng	1722370	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	98
2	2-Bromo dodecane		248	C12H25Br	013187-99-0	93
3	Hexadecane		226	C16H34	000544-76-3	93
4	Tridecane, 6-propyl-		226	C16H34	055045-10-8	93
5	Pentadecane		212	C15H32	000629-62-9	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

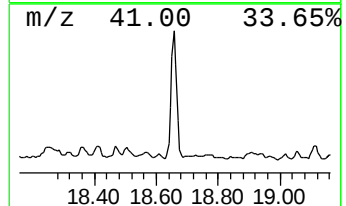
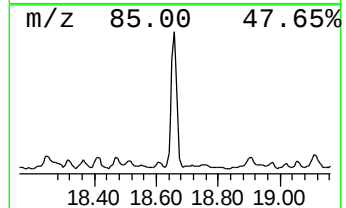
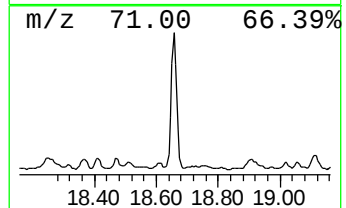
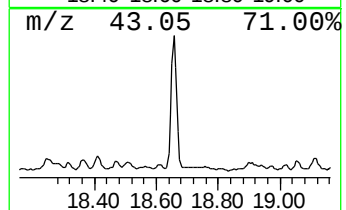
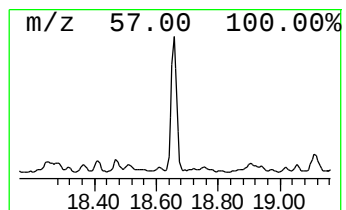
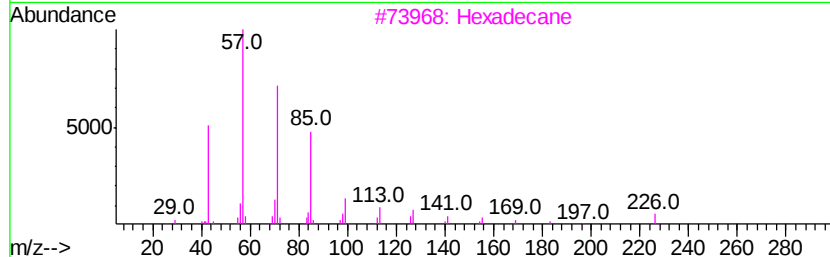
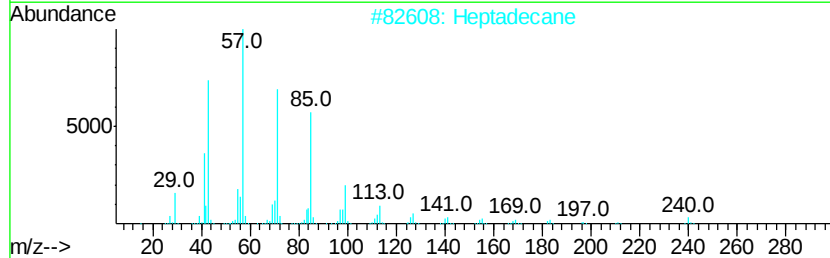
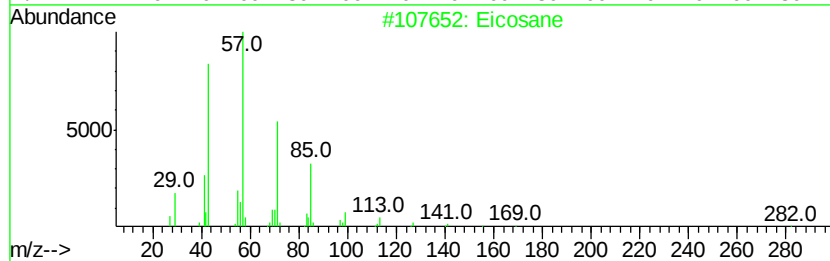
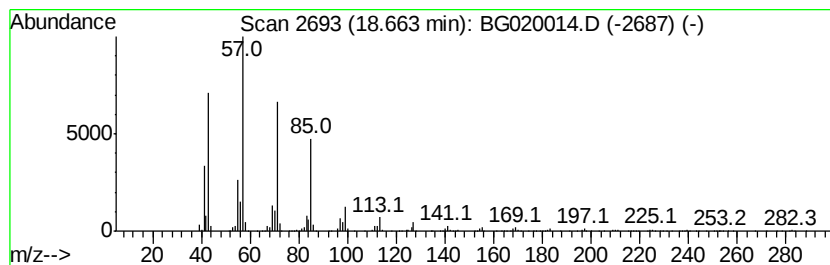
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	63.77 ng	1349230	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	98
2		Heptadecane	240	C17H36	000629-78-7	97
3		Hexadecane	226	C16H34	000544-76-3	93
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 : BG020014.D
Acq On : 8 Dec 2015 12:30
Operator : UM/SJ
Sample : G4684-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-1

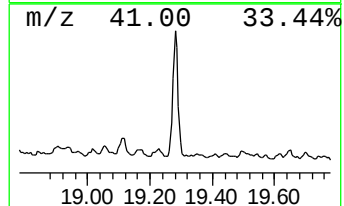
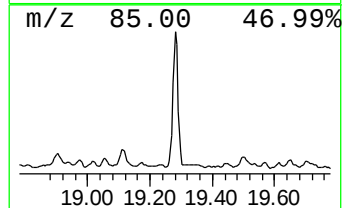
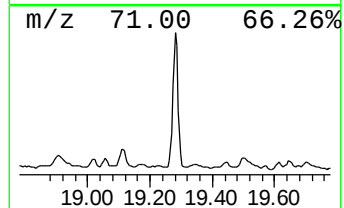
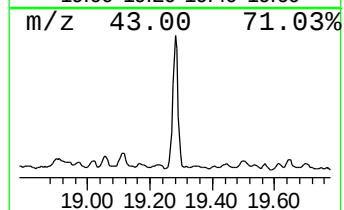
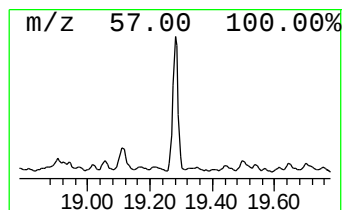
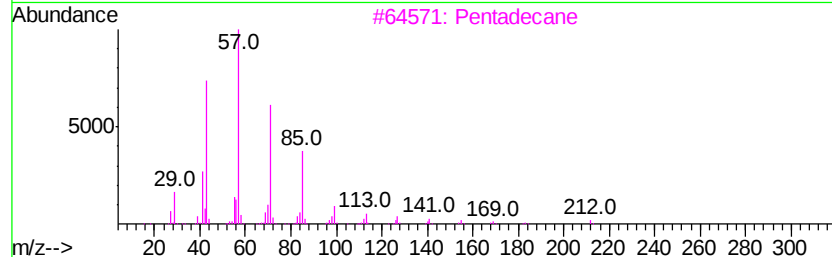
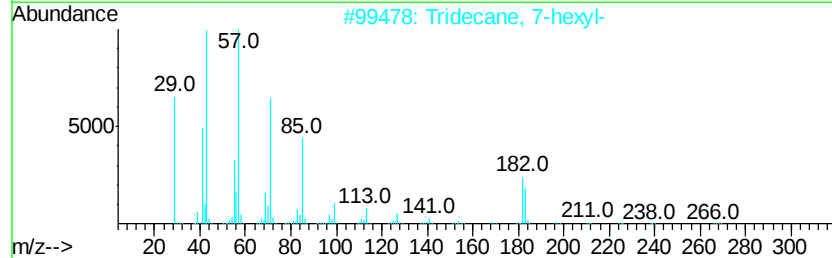
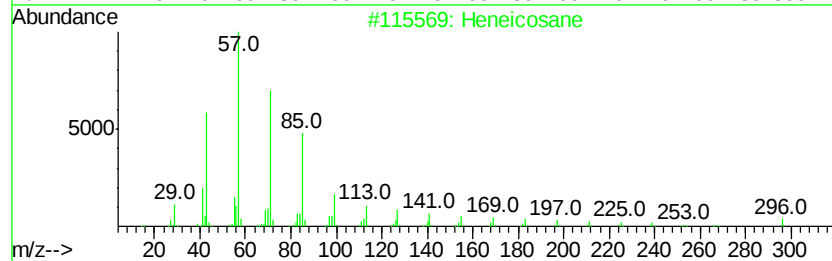
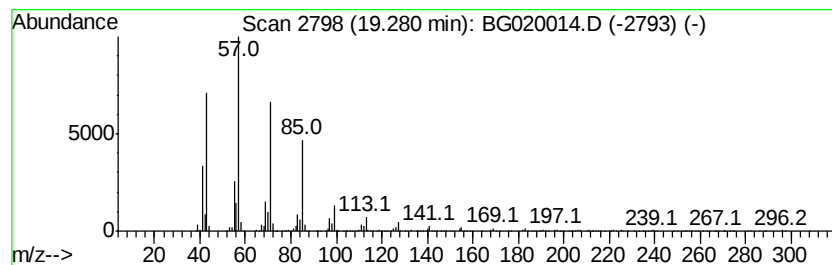
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	51.97 ng	1099540	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	97
2	Tridecane, 7-hexyl-		268	C19H40	007225-66-3	93
3	Pentadecane		212	C15H32	000629-62-9	91
4	2-Bromo dodecane		248	C12H25Br	013187-99-0	90
5	Hexadecane, 5-butyl-		282	C20H42	006912-07-8	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
 Data File : BG020014.D
 Acq On : 8 Dec 2015 12:30
 Operator : UM/SJ
 Sample : G4684-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propane, 2,2-dime...	2.99	93.1	ng	2368880	1	8.11	508725	20.0
unknown7.64	7.64	31.5	ng	801352	1	8.11	508725	20.0
Tetradecane	9.34	40.3	ng	1025330	1	8.11	508725	20.0
Dodecane, 2,7,10-...	13.28	38.5	ng	695447	3	14.74	360860	20.0
Naphthalene, 1,2,...	13.69	22.7	ng	410367	3	14.74	360860	20.0
Octane, 1,1'-oxybis-	14.07	28.4	ng	513016	3	14.74	360860	20.0
Naphthalene, 2,6-...	14.12	27.1	ng	489041	3	14.74	360860	20.0
Naphthalene, 1,2,...	14.26	39.5	ng	711925	3	14.74	360860	20.0
unknown14.33	14.33	36.5	ng	658730	3	14.74	360860	20.0
Eicosane	14.63	128.9	ng	2326160	3	14.74	360860	20.0
Naphthalene, 2,3,...	15.13	22.6	ng	408159	3	14.74	360860	20.0
Dodecane, 2-methyl-	15.24	35.1	ng	633291	3	14.74	360860	20.0
Hexadecane	15.58	139.9	ng	2524230	3	14.74	360860	20.0
Heptacosane	15.98	61.0	ng	1100310	3	14.74	360860	20.0
Heptadecane	16.44	126.3	ng	2672820	4	17.49	423171	20.0
Dodecane, 2-methy...	17.24	89.6	ng	1895690	4	17.49	423171	20.0
Heptadecane, 2,6,...	17.28	35.8	ng	757514	4	17.49	423171	20.0
Nonadecane	17.97	81.4	ng	1722370	4	17.49	423171	20.0
Eicosane	18.66	63.8	ng	1349230	4	17.49	423171	20.0
Heneicosane	19.28	52.0	ng	1099540	4	17.49	423171	20.0