

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016533.D
 Acq On : 18 Apr 2015 22:33
 Operator : TP/IZ
 Sample : G1868-08
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P5-28(10-15)

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-BG040615.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	2.752	6	11	21	rVB	106564	189782	1.47%	0.096%
2	4.773	346	355	358	rBV2	116992	197080	1.53%	0.099%
3	4.856	364	369	375	rBV	240317	410273	3.19%	0.207%
4	5.020	393	397	401	rVV	119554	186110	1.45%	0.094%
5	5.096	406	410	419	rVB2	208775	429122	3.33%	0.216%
6	5.249	431	436	447	rVB	1045040	1592146	12.37%	0.802%
7	5.349	447	453	458	rBV4	112800	209691	1.63%	0.106%
8	5.461	463	472	478	rBV3	215442	403763	3.14%	0.203%
9	5.537	478	485	489	rBV3	438173	790475	6.14%	0.398%
10	5.613	493	498	502	rVV	492095	775306	6.02%	0.391%
11	5.678	506	509	517	rVB	298916	511216	3.97%	0.258%
12	5.754	517	522	531	rBV	518926	851245	6.61%	0.429%
13	5.843	531	537	544	rVB2	210154	374464	2.91%	0.189%
14	5.937	544	553	560	rBV3	1236765	2788699	21.66%	1.405%
15	6.060	566	574	579	rBV3	644424	1409176	10.95%	0.710%
16	6.154	584	590	596	rBV4	1173483	2546522	19.78%	1.283%
17	6.224	596	602	607	rBV	3264372	5343213	41.51%	2.692%
18	6.301	607	615	617	rBV4	1751100	3179735	24.70%	1.602%
19	6.336	617	621	626	rVB	4200736	6469465	50.26%	3.259%
20	6.389	626	630	631	rBV4	201868	234664	1.82%	0.118%
21	6.418	631	635	640	rVB2	1013863	1600481	12.43%	0.806%
22	6.477	640	645	652	rVB3	962199	1696874	13.18%	0.855%
23	6.565	652	660	665	rBV3	1496930	3847353	29.89%	1.938%
24	6.624	665	670	671	rBV	416702	547729	4.25%	0.276%
25	6.659	671	676	688	rVB2	1813305	3438064	26.71%	1.732%
26	6.759	688	693	696	rBV3	1298576	2110156	16.39%	1.063%
27	6.800	696	700	706	rBV3	3517480	6019886	46.76%	3.033%
28	6.847	706	708	713	rVB2	923165	1131342	8.79%	0.570%
29	6.941	717	724	727	rBV2	696276	1289443	10.02%	0.650%
30	6.988	727	732	737	rVB3	1284692	2408292	18.71%	1.213%
31	7.041	737	741	745	rBV3	1330952	2007239	15.59%	1.011%
32	7.082	745	748	751	rBV2	690676	993441	7.72%	0.501%
33	7.123	751	755	757	rBV2	1457578	2187577	16.99%	1.102%
34	7.153	757	760	764	rVB2	1297727	1698177	13.19%	0.856%

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35	7.323	784	789	790	rBV2	937709	1411689	10.97%	0.711%
36	7.382	795	799	804	rVB2	1574523	2616930	20.33%	1.318%
37	7.435	804	808	810	rBV	408277	440026	3.42%	0.222%
38	7.476	810	815	824	rVB4	1203957	2999603	23.30%	1.511%
39	7.564	824	830	832	rBV4	1819828	3143771	24.42%	1.584%
40	7.652	837	845	850	rVB2	6236745	12872710	100.00%	6.485%
41	7.734	853	859	864	rVB4	1667947	3325725	25.84%	1.676%
42	7.858	864	880	883	rBV5	3584893	9412111	73.12%	4.742%
43	7.893	883	886	888	rBV2	609280	541220	4.20%	0.273%
44	7.958	894	897	903	rVB4	2842344	4106806	31.90%	2.069%
45	8.011	903	906	913	rVB2	2024897	3297915	25.62%	1.662%
46	8.069	914	916	918	rBV2	278977	272048	2.11%	0.137%
47	8.105	918	922	928	rVB5	1300044	2153450	16.73%	1.085%
48	8.169	928	933	935	rBV3	820088	1386161	10.77%	0.698%
49	8.222	938	942	948	rVB	3002174	4826021	37.49%	2.431%
50	8.299	951	955	958	rBV5	342455	596660	4.64%	0.301%
51	8.357	961	965	970	rVB3	1037103	1520743	11.81%	0.766%
52	8.428	973	977	979	rBV3	550074	795165	6.18%	0.401%
53	8.492	983	988	994	rBV2	2546328	4216017	32.75%	2.124%
54	8.645	1005	1014	1018	rBV6	771822	2039554	15.84%	1.028%
55	8.739	1024	1030	1031	rBV	2756328	3600588	27.97%	1.814%
56	8.769	1032	1035	1041	rVB3	4030601	6488003	50.40%	3.269%
57	8.863	1046	1051	1057	rVB4	2238496	4126657	32.06%	2.079%
58	8.921	1058	1061	1065	rVB2	1062425	1578663	12.26%	0.795%
59	8.974	1065	1070	1072	rBV2	1846977	2886891	22.43%	1.454%
60	9.009	1073	1076	1082	rVB3	2270989	4476692	34.78%	2.255%
61	9.121	1082	1095	1102	rBV7	1144218	4800589	37.29%	2.419%
62	9.209	1103	1110	1112	rBV6	423116	1116657	8.67%	0.563%
63	9.303	1121	1126	1132	rVB3	1697036	3129524	24.31%	1.577%
64	9.374	1132	1138	1143	rBV3	2010077	3534200	27.45%	1.781%
65	9.544	1162	1167	1169	rBV3	644050	980767	7.62%	0.494%
66	9.579	1169	1173	1177	rVV2	1852910	2891870	22.47%	1.457%
67	9.632	1177	1182	1191	rVB4	2769833	4850737	37.68%	2.444%
68	9.797	1203	1210	1215	rBV3	306251	722833	5.62%	0.364%
69	9.861	1215	1221	1225	rBV2	2455511	4296127	33.37%	2.164%
70	10.044	1245	1252	1256	rBV6	624474	1501628	11.67%	0.757%
71	10.149	1265	1270	1273	rBV	635615	1092397	8.49%	0.550%

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72	10.232	1280	1284	1289	rVB3	371001	570615	4.43%	0.287%
73	10.308	1293	1297	1301	rBV4	472926	703468	5.46%	0.354%
74	10.349	1301	1304	1309	rVV3	244345	348280	2.71%	0.175%
75	10.437	1310	1319	1325	rVB5	810195	2242655	17.42%	1.130%
76	10.566	1337	1341	1344	rBV4	404024	574945	4.47%	0.290%
77	10.608	1344	1348	1353	rVB	1386943	2038483	15.84%	1.027%
78	10.666	1353	1358	1366	rVB4	410555	730831	5.68%	0.368%
79	10.737	1366	1370	1376	rVB5	273882	535194	4.16%	0.270%
80	10.819	1378	1384	1387	rBV2	308062	533145	4.14%	0.269%
81	10.937	1400	1404	1412	rVB3	428929	690418	5.36%	0.348%
82	11.060	1421	1425	1429	rBV3	108961	193252	1.50%	0.097%
83	11.113	1429	1434	1436	rVV4	334697	618788	4.81%	0.312%
84	11.142	1436	1439	1447	rVB3	529450	891992	6.93%	0.449%
85	11.471	1490	1495	1505	rVV2	750639	1455509	11.31%	0.733%
86	11.730	1531	1539	1543	rBV4	190482	370893	2.88%	0.187%
87	12.100	1595	1602	1610	rVB4	232749	657229	5.11%	0.331%
88	12.329	1636	1641	1650	rVB3	130739	302776	2.35%	0.153%
89	12.576	1678	1683	1689	rVB2	127879	233563	1.81%	0.118%
90	12.834	1716	1727	1732	rBV	299098	507313	3.94%	0.256%
91	12.923	1732	1742	1748	rBV	1317726	1944674	15.11%	0.980%
92	13.786	1881	1889	1893	rVB2	235610	356475	2.77%	0.180%
93	14.303	1968	1977	1984	rBV2	634405	1042687	8.10%	0.525%
94	15.561	2185	2191	2196	rVB	127881	189503	1.47%	0.095%
95	15.790	2223	2230	2239	rBV	744629	1133051	8.80%	0.571%
96	16.037	2265	2272	2277	rBV	200244	322736	2.51%	0.163%
97	17.041	2438	2443	2448	rBV2	770538	1066205	8.28%	0.537%
98	19.673	2886	2891	2900	rVB	1792690	2185852	16.98%	1.101%
99	21.225	3151	3155	3163	rVB	794666	1047783	8.14%	0.528%
100	23.457	3530	3535	3545	rVB2	541113	1081388	8.40%	0.545%

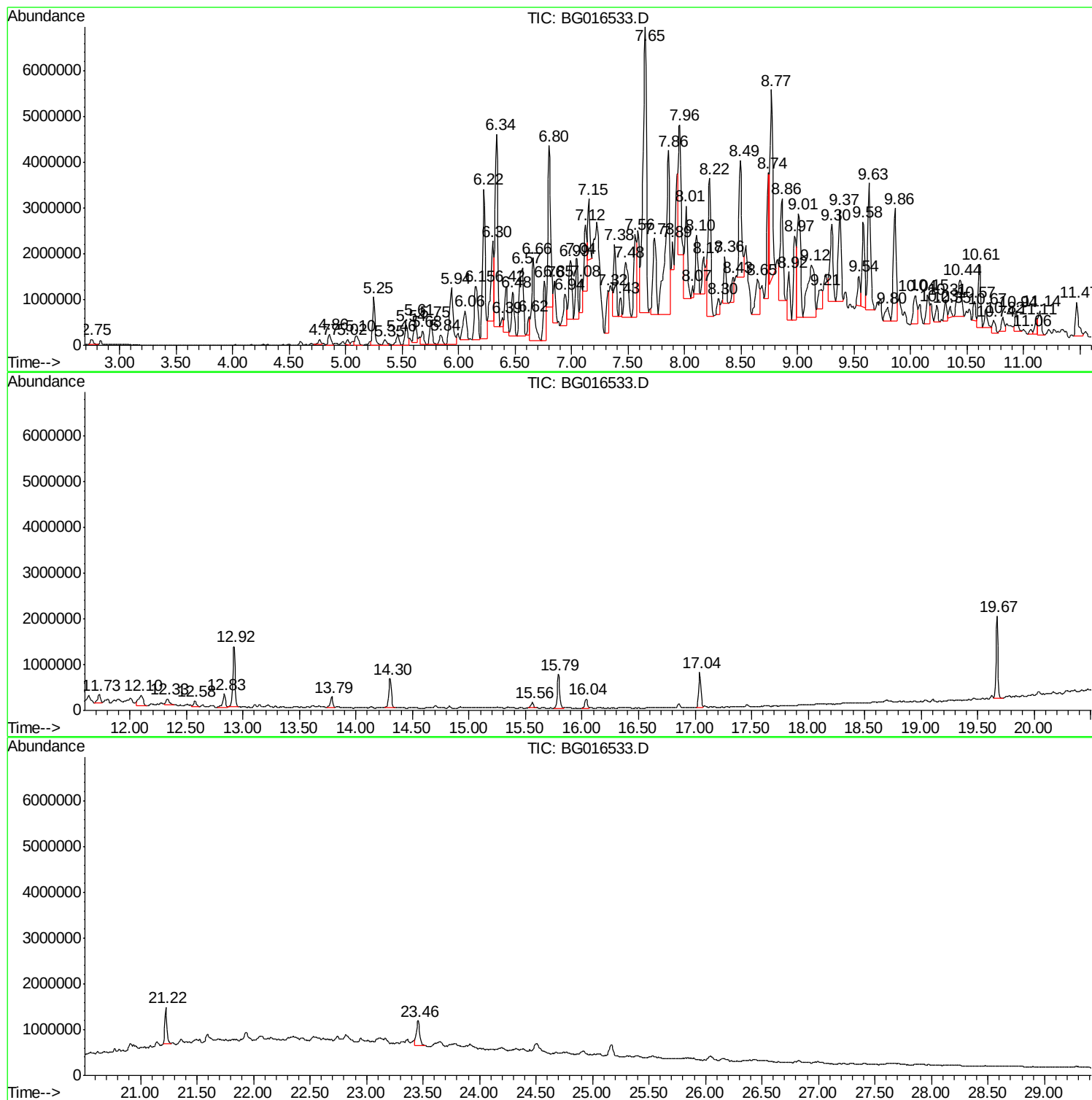
Sum of corrected areas: 198487052

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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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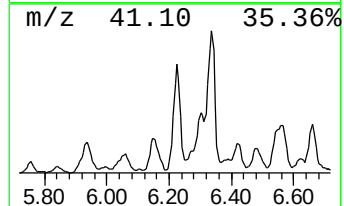
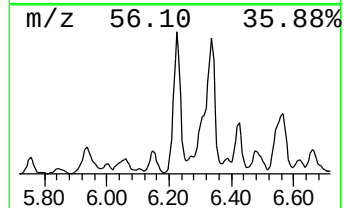
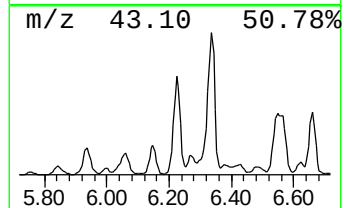
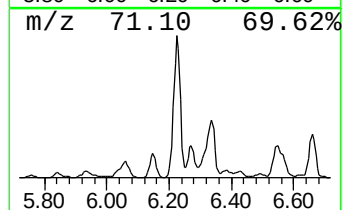
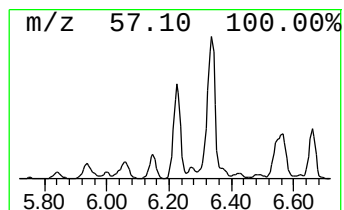
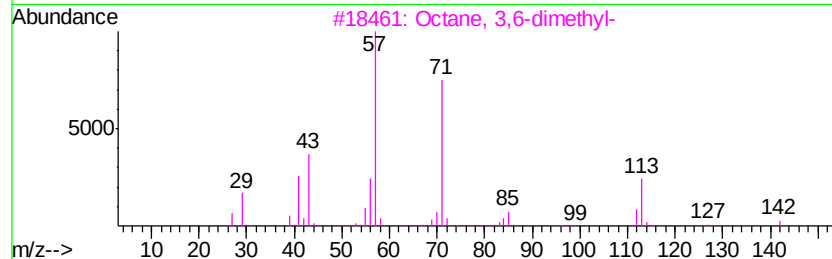
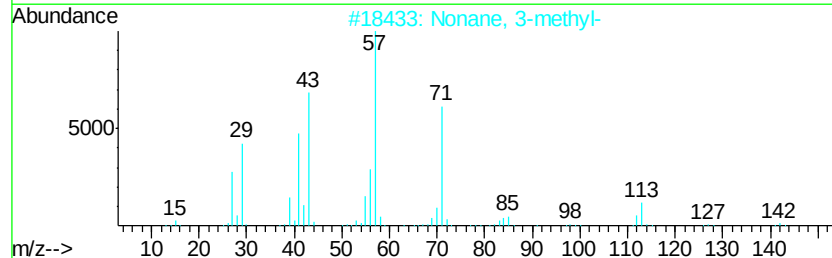
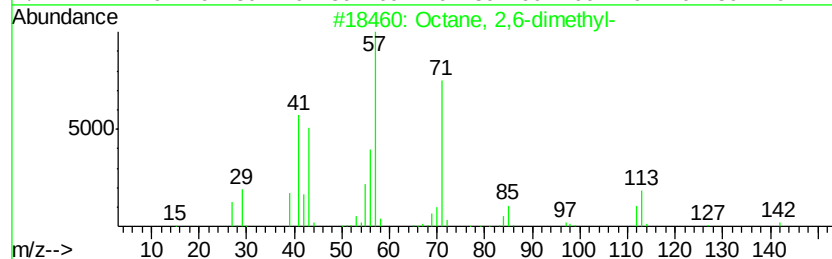
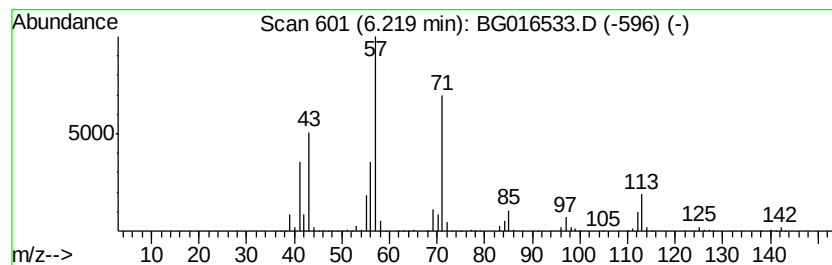
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	8.30 ng	5343210	1,4-Dichlorobenzene-d4	7.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
5			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58



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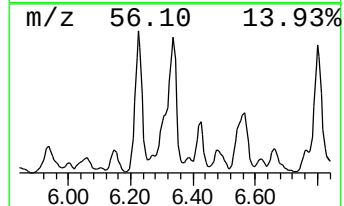
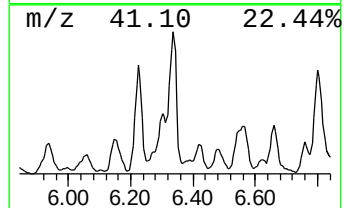
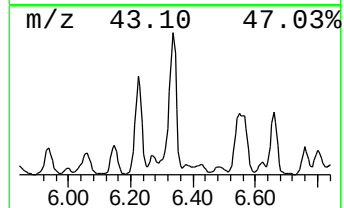
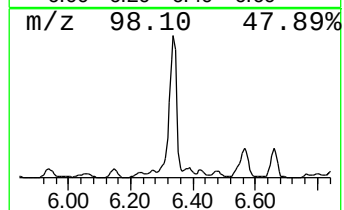
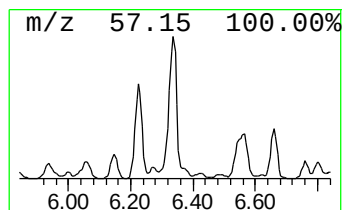
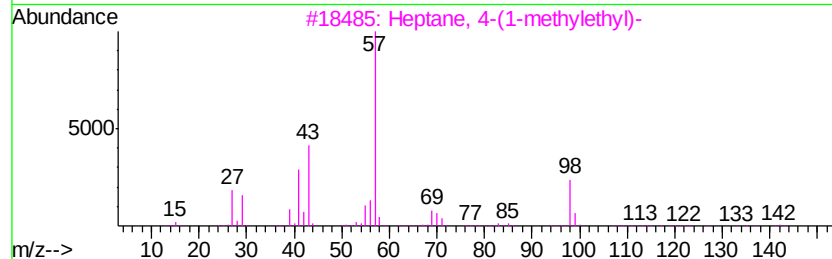
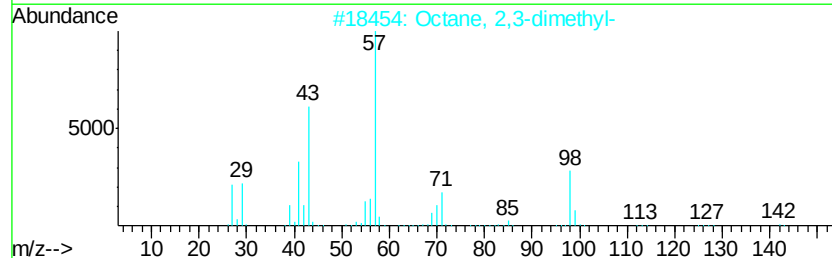
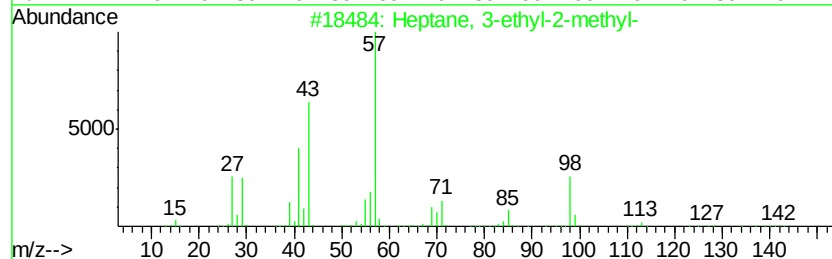
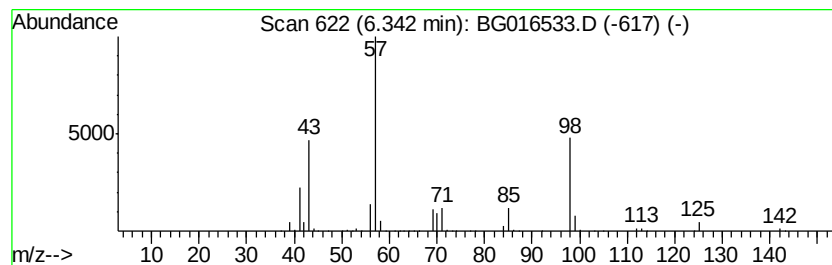
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	10.05 ng	6469470	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	91
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
3		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	58
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	50
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	50



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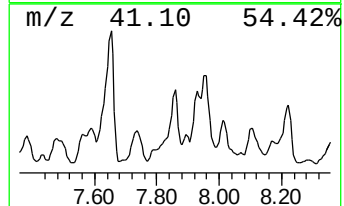
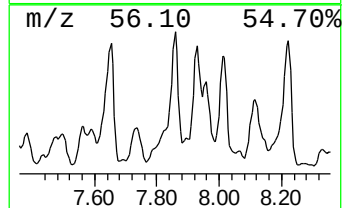
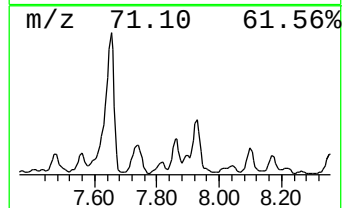
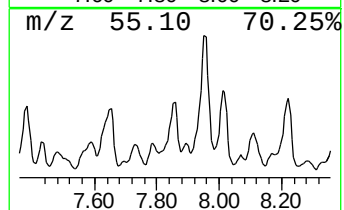
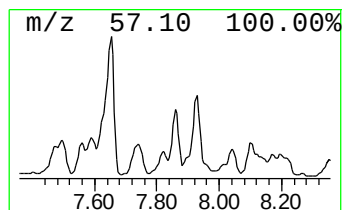
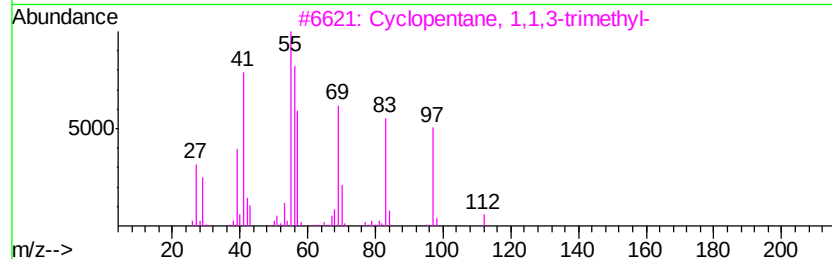
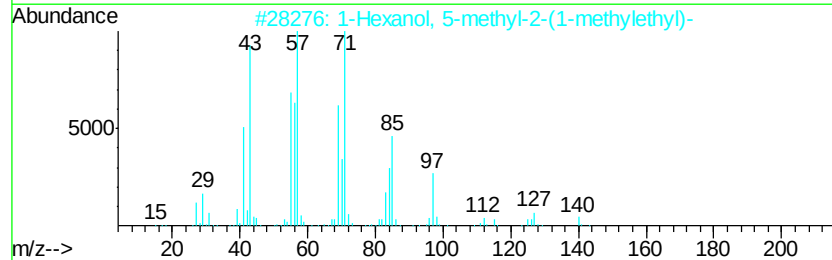
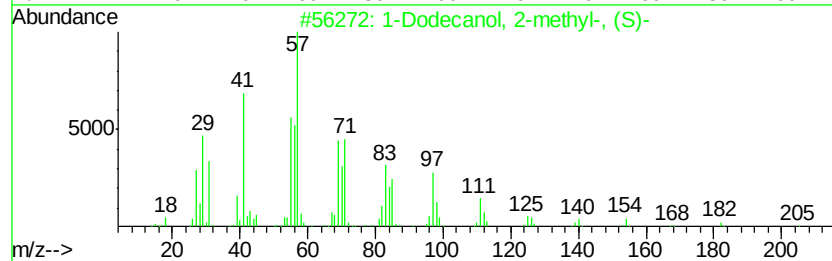
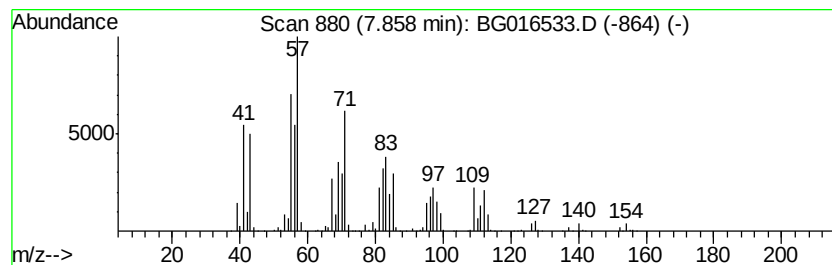
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Dodecanol, 2-methyl-, (S)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	14.62 ng	9412110	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Dodecanol, 2-methyl-, (S)-	200	C13H28O	057289-26-6	52
2		1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	38
3		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	35
4		Cyclooctane, 1,5-dimethyl-	140	C10H20	021328-57-4	30
5		10-Methylnonadecane	282	C20H42	056862-62-5	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P5-28(10-15)

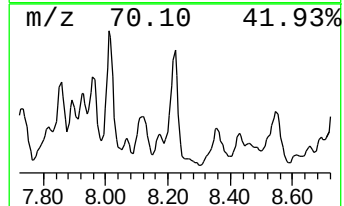
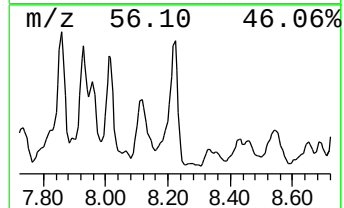
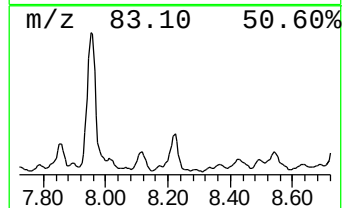
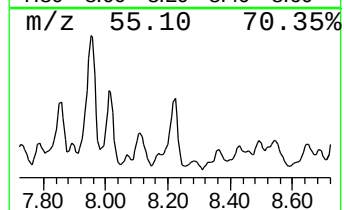
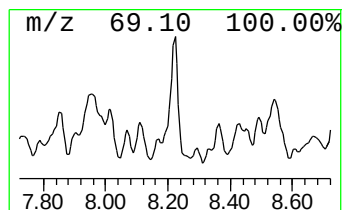
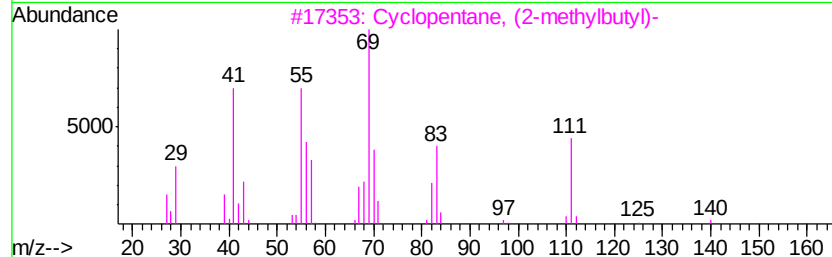
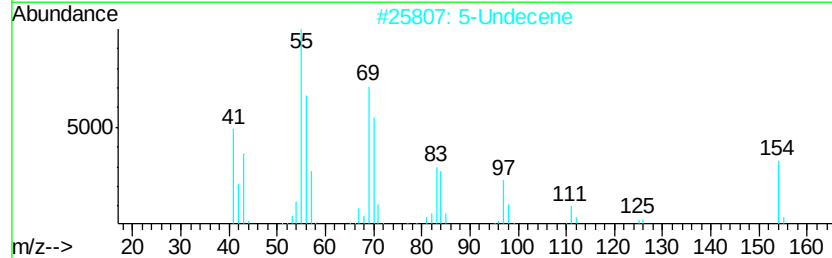
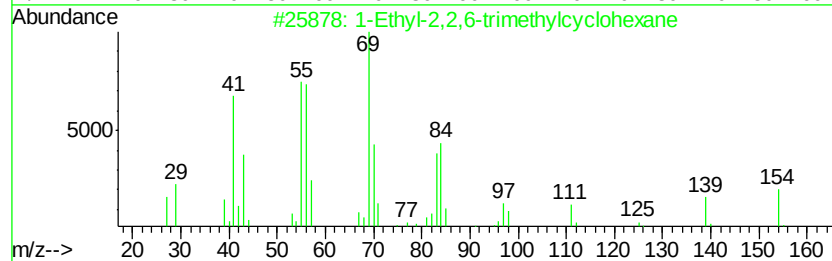
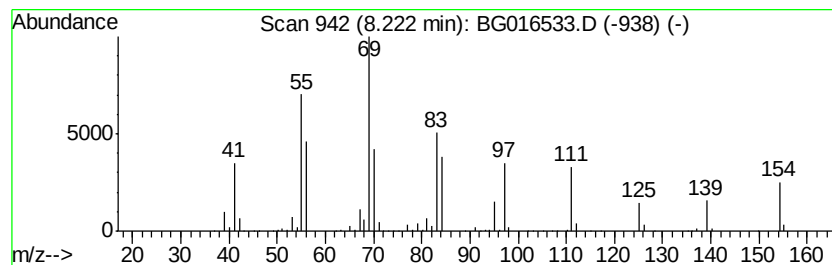
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	7.50 ng	4826020	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	72
2	5-Undecene	154	C11H22	004941-53-1	68
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	53
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
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ClientSampleId :
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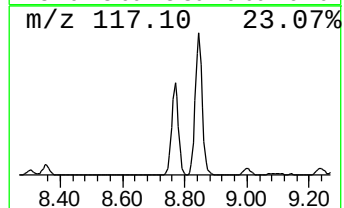
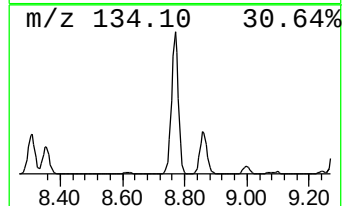
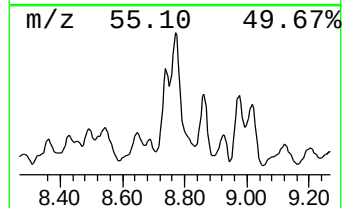
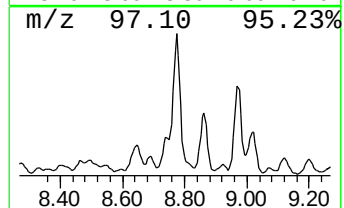
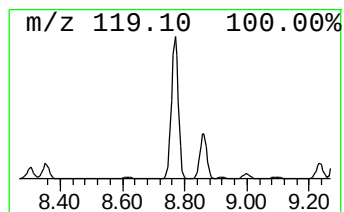
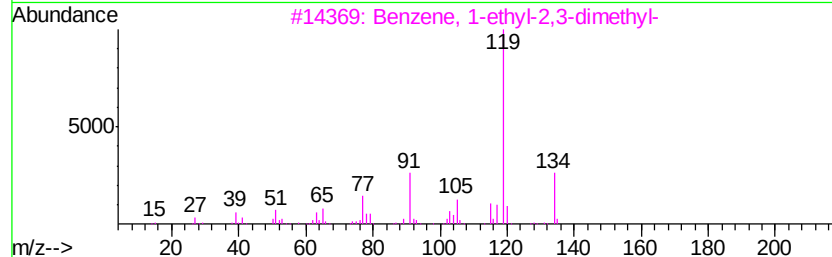
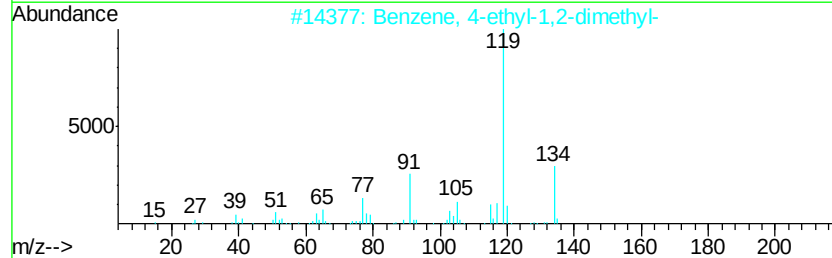
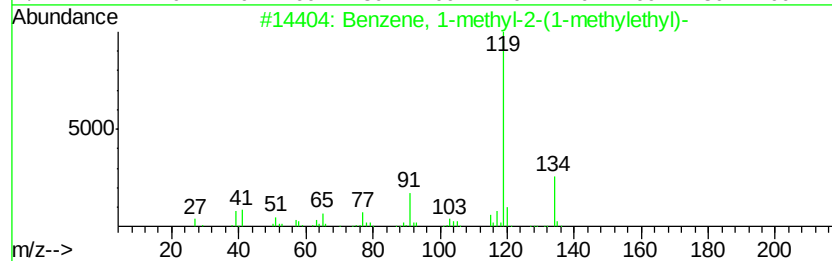
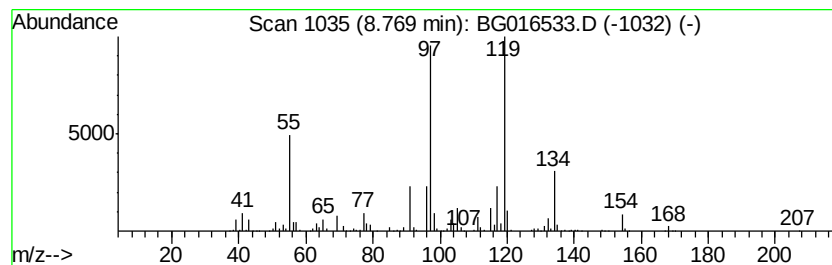
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1-methyl-2-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	10.08 ng	6488000	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	86
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
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ClientSampleId :
P5-28(10-15)

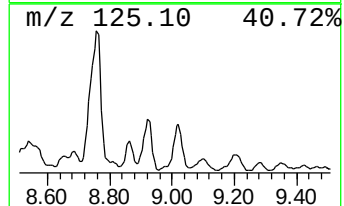
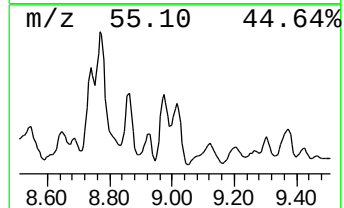
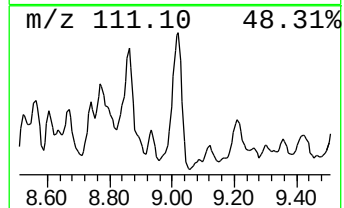
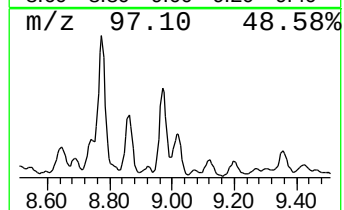
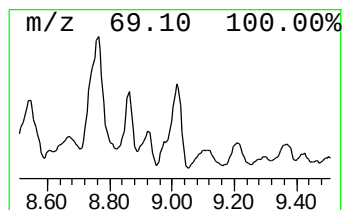
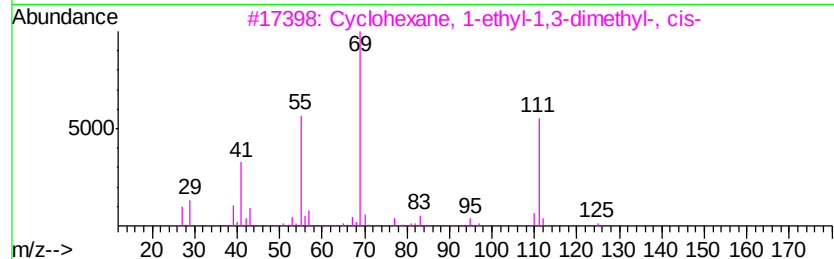
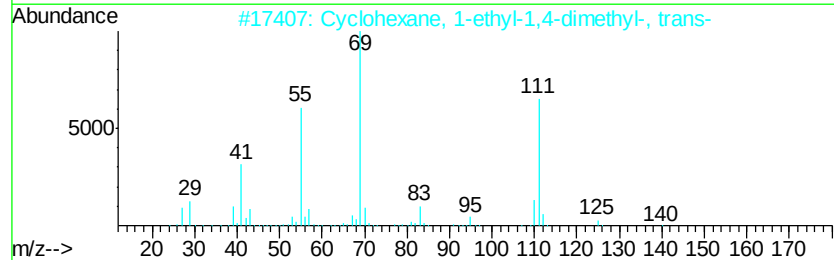
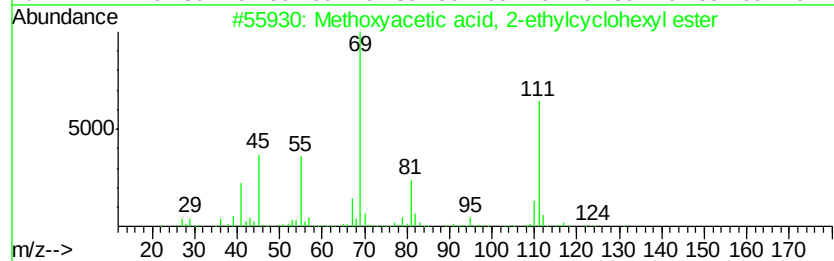
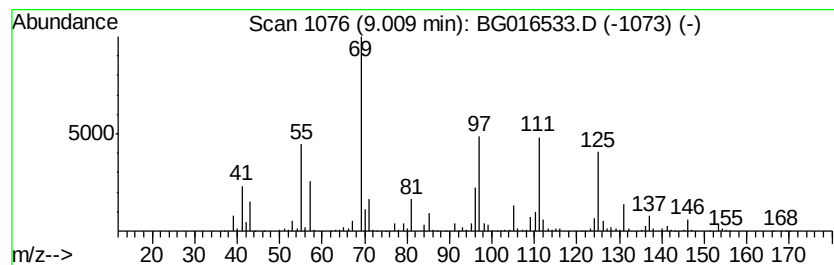
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown9.01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	6.96 ng	4476690	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	38
2		Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	38
3		Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	38
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	38
5		Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
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Instrument :
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ClientSampleId :
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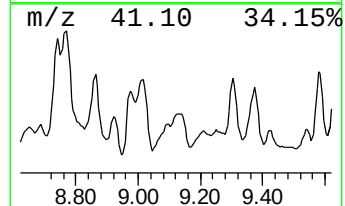
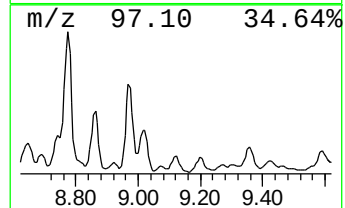
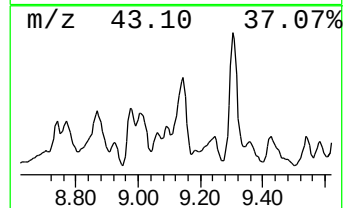
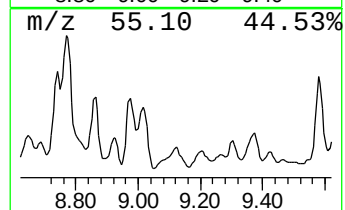
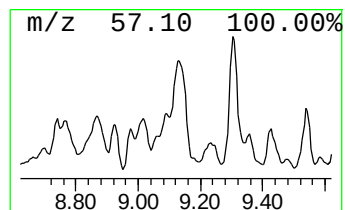
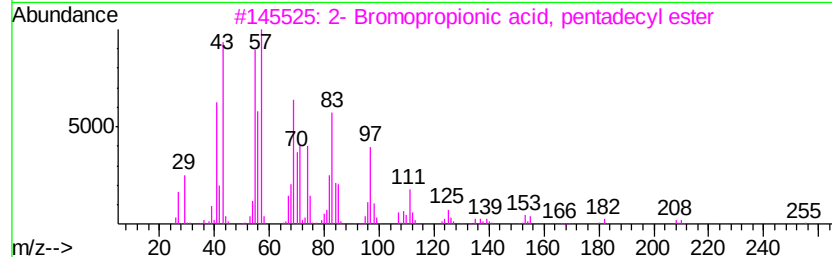
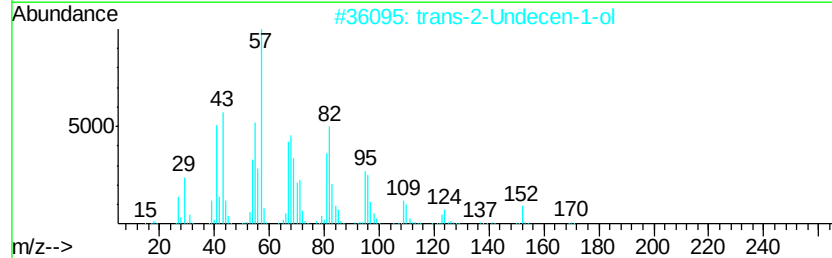
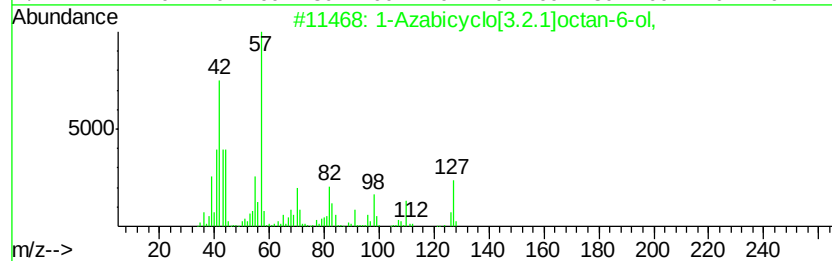
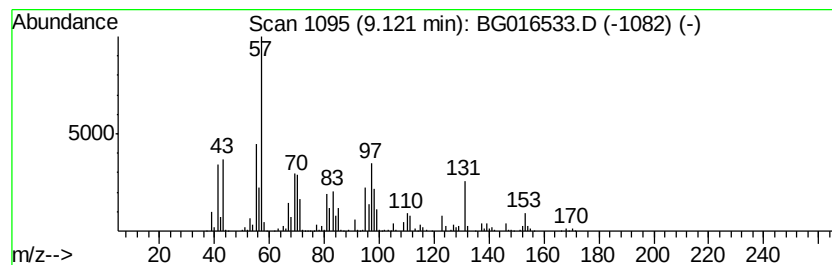
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown9.12 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	42.81 ng	4800590	Naphthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Azabicyclo[3.2.1]octan-6-ol,	127	C7H13NO	192380-09-9	27
2		trans-2-Undecen-1-ol	170	C11H22O	075039-84-8	22
3		2- Bromopropionic acid, pentadec...	362	C18H35BrO2	1000292-44-2	22
4		2,2-Dimethylhex-4-enylamine	127	C8H17N	133885-74-2	22
5		1-Hentetracontanol	593	C41H84O	040710-42-7	22



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P5-28(10-15)

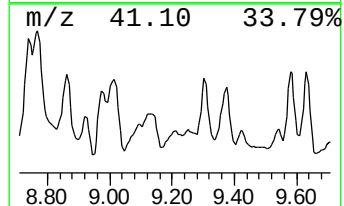
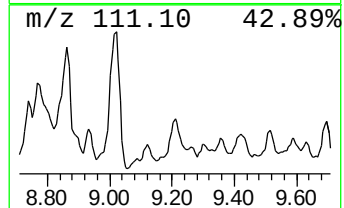
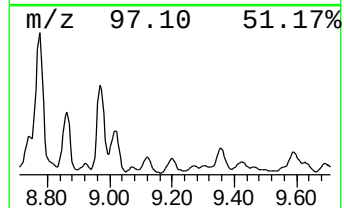
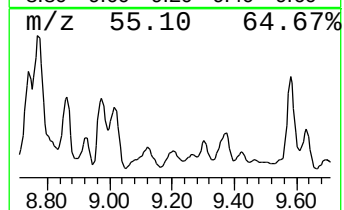
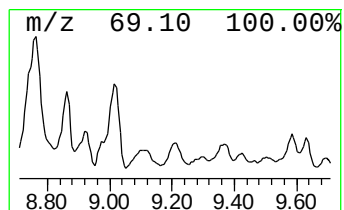
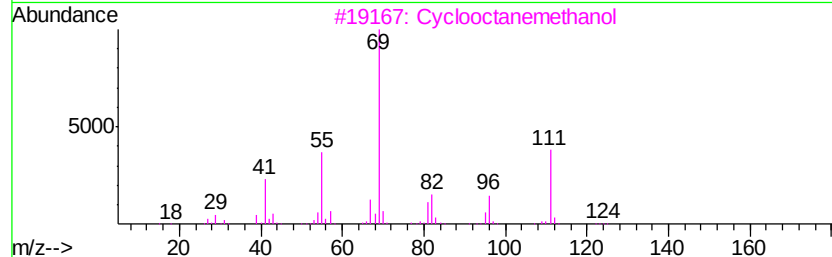
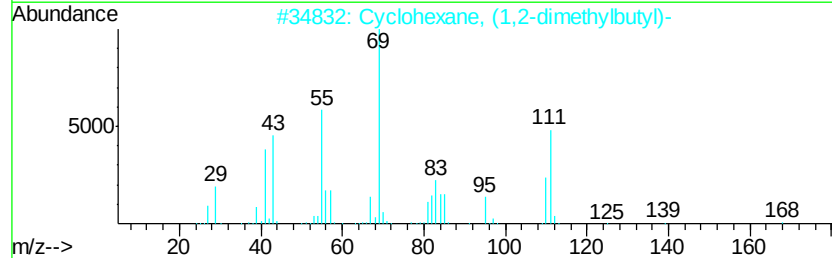
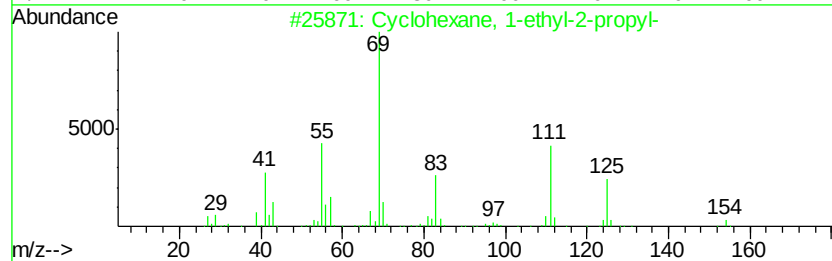
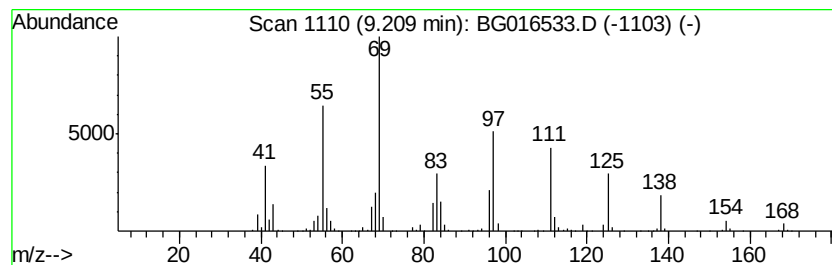
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	9.96 ng	1116660	Napthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	53
2		Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	43
3		Cyclooctanemethanol	142	C9H18O	003637-63-6	43
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5		1,3-Dimethyl-5-isobutylcyclohexane	168	C12H24	013131-76-5	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
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Acq On : 18 Apr 2015 22:33
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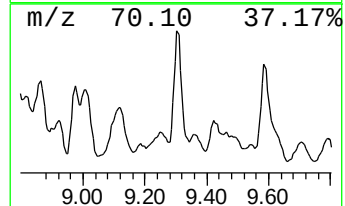
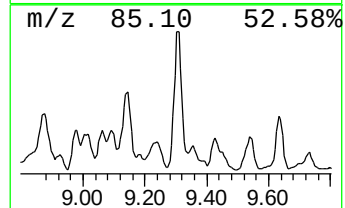
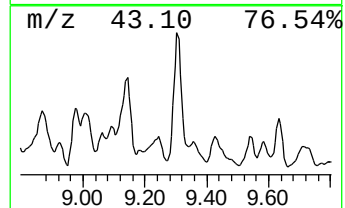
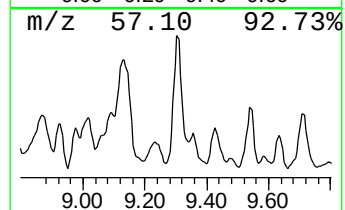
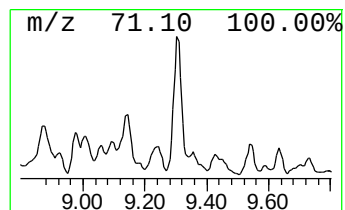
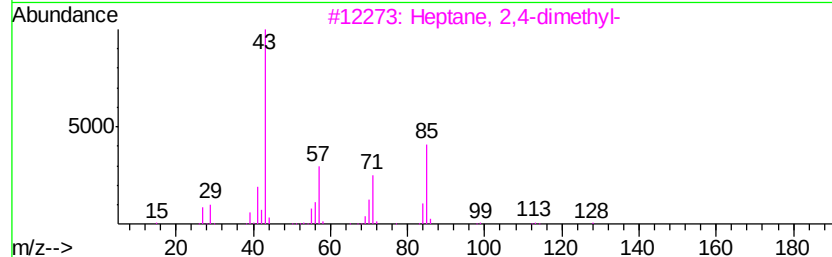
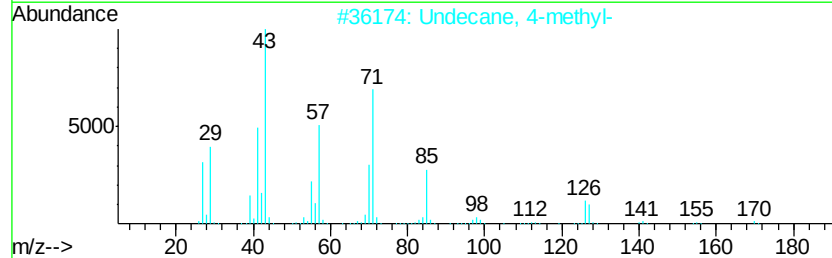
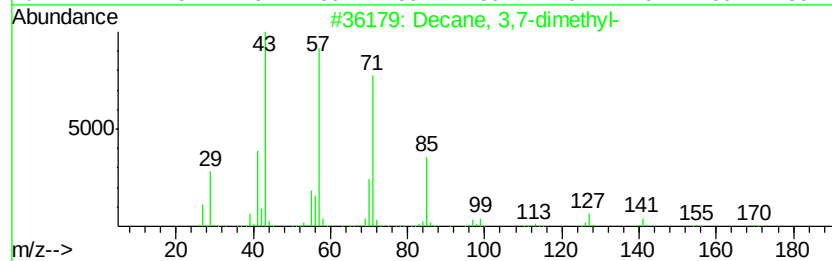
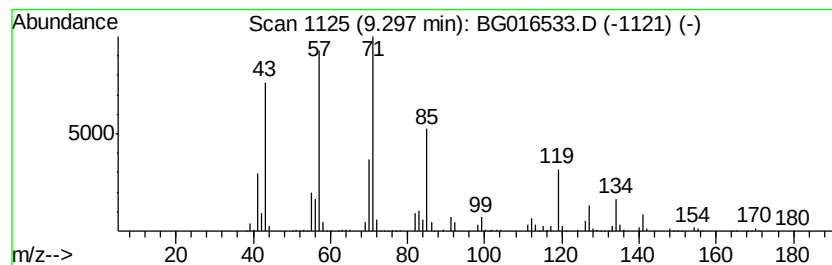
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Decane, 3,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	27.91 ng	3129520	Napthalene-d8	10.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3,7-dimethyl-	170 C12H26	017312-54-8	94
2	Undecane, 4-methyl-	170 C12H26	002980-69-0	64
3	Heptane, 2,4-dimethyl-	128 C9H20	002213-23-2	64
4	Octane, 6-ethyl-2-methyl-	156 C11H24	062016-19-7	59
5	Octane, 5-ethyl-2-methyl-	156 C11H24	062016-18-6	52



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
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ClientSampleId :
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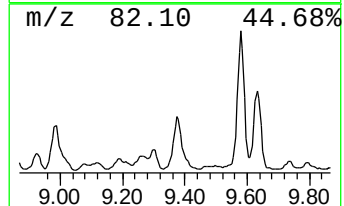
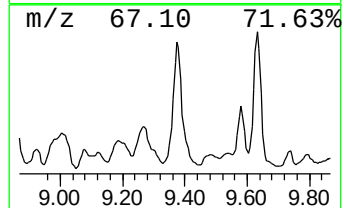
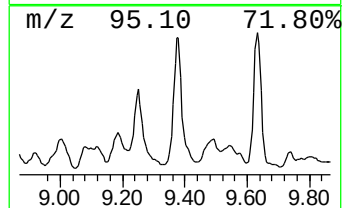
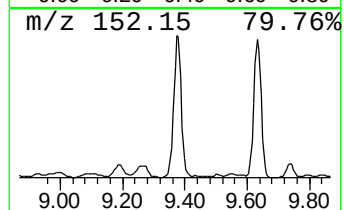
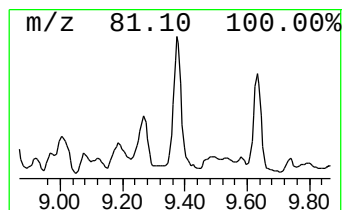
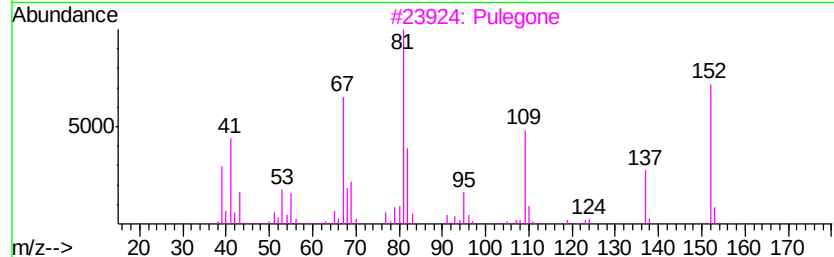
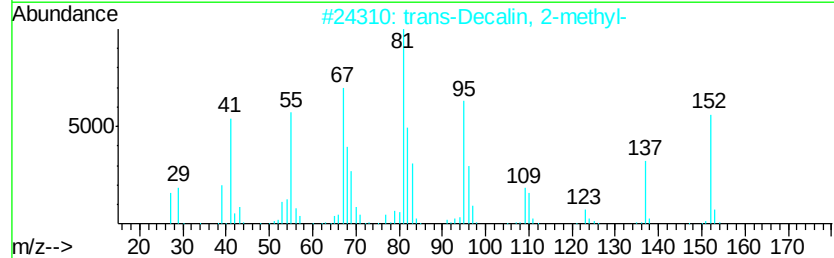
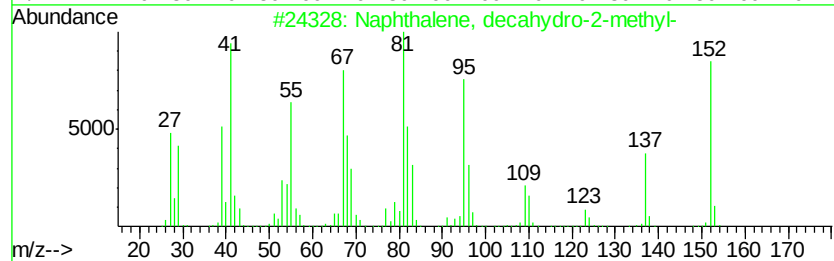
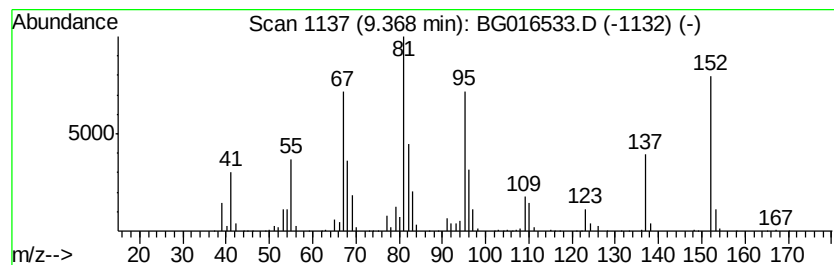
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	31.52 ng	3534200	Naphthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3		Pulegone	152	C10H16O	000089-82-7	83
4		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
5		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P5-28(10-15)

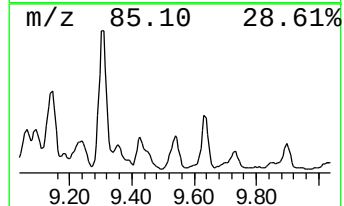
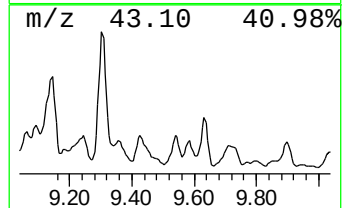
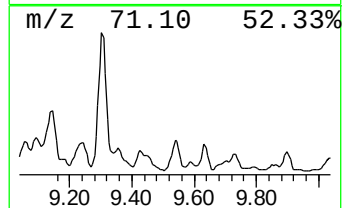
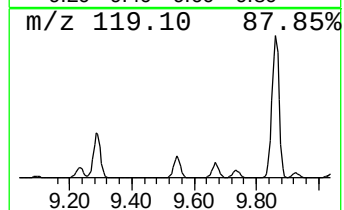
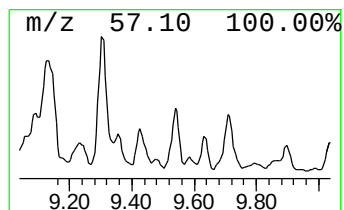
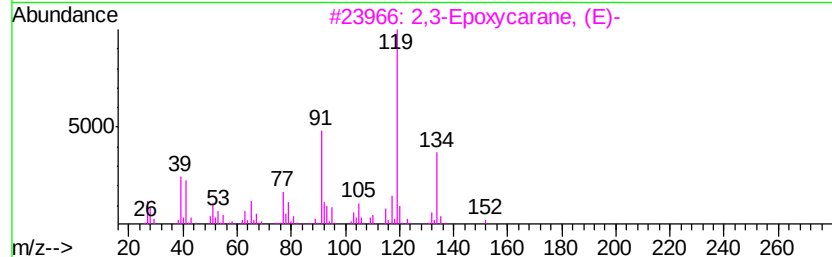
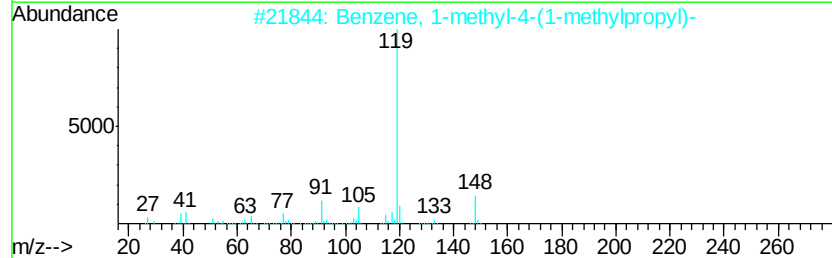
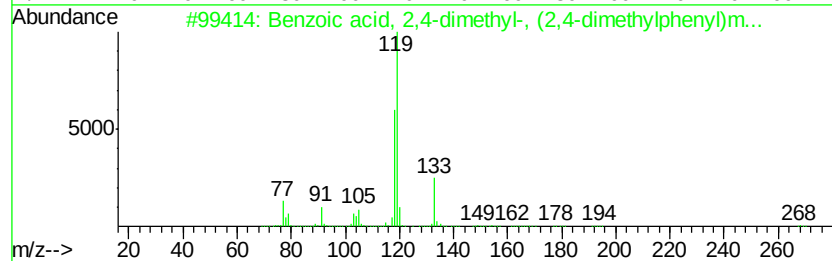
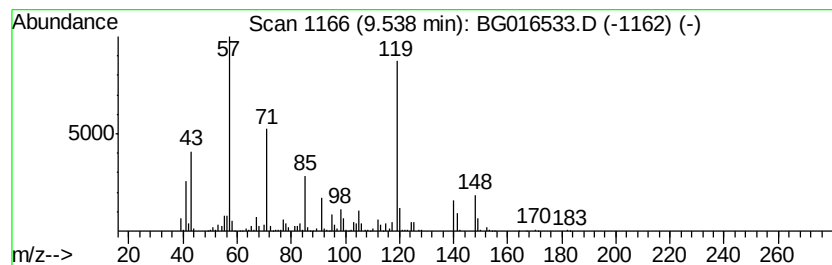
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.54 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	8.75 ng	980767	Napthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	43
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
3		2,3-Epoxy-carane, (E)-	152	C10H16O	020053-58-1	38
4		5-Ethyldecane	170	C12H26	017302-36-2	30
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
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ClientSampleId :
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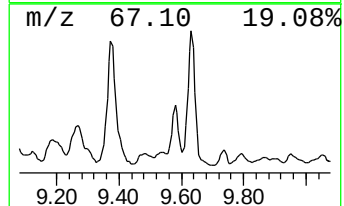
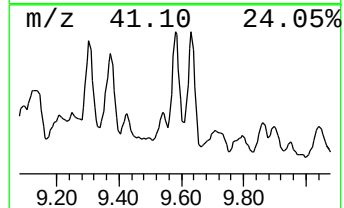
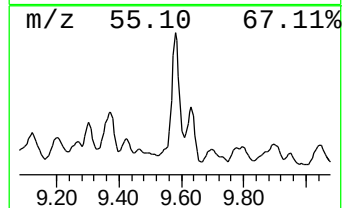
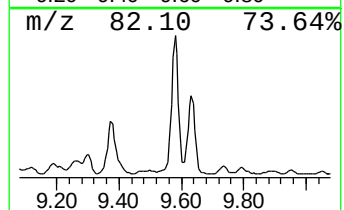
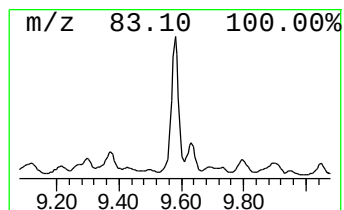
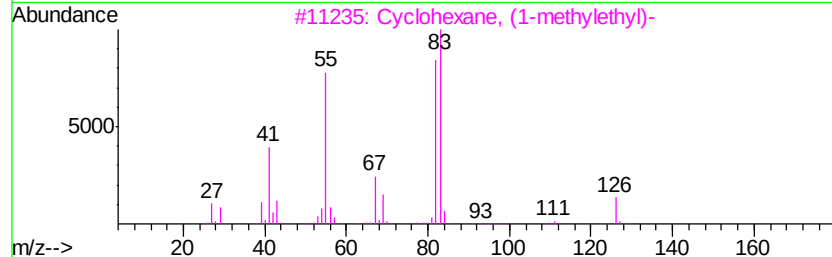
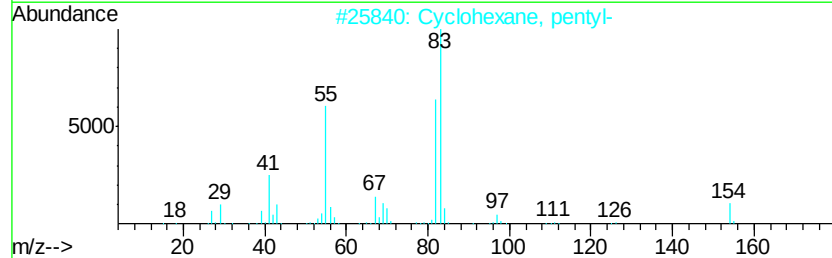
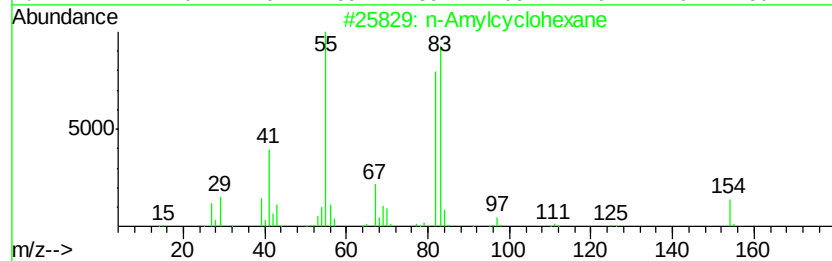
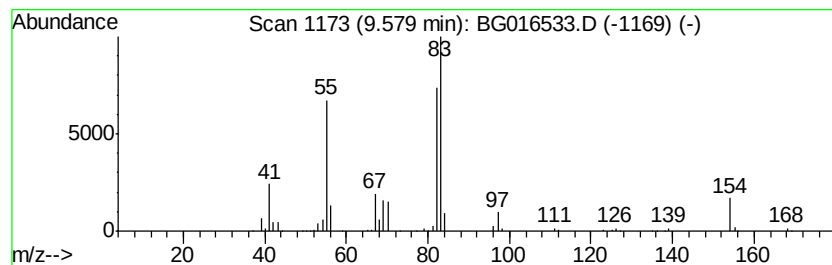
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 n-Amylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	25.79 ng	2891870	Napthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Amylcyclohexane	154	C11H22	029949-27-7	91
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	87
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
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Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

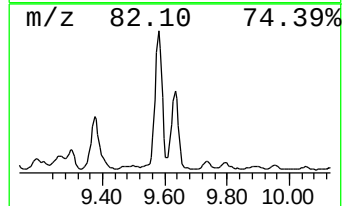
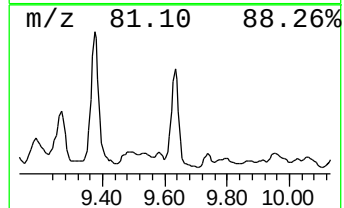
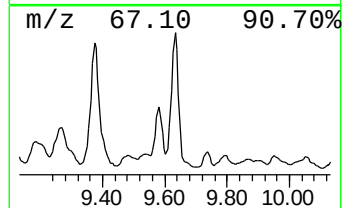
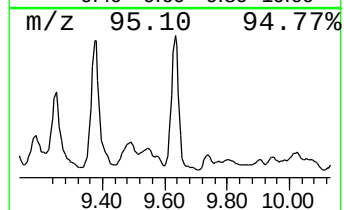
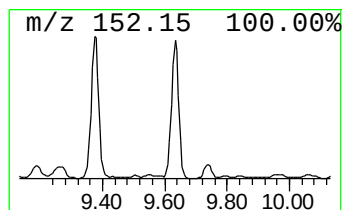
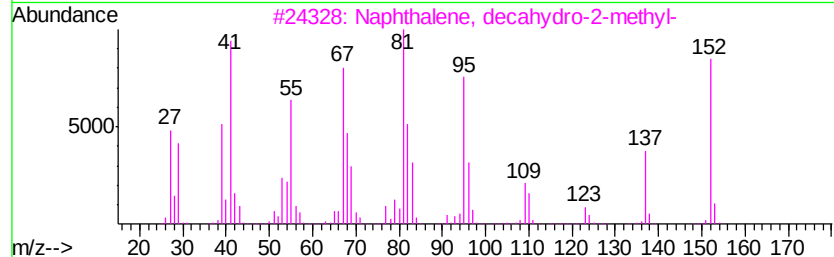
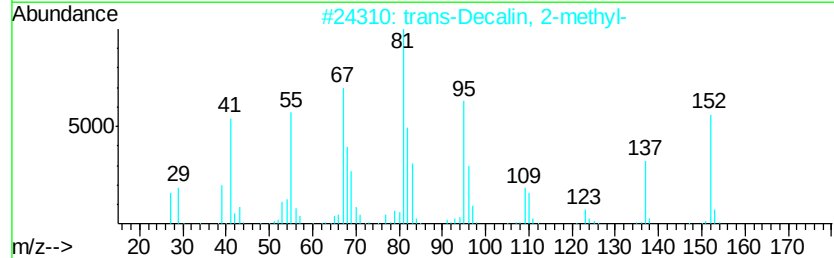
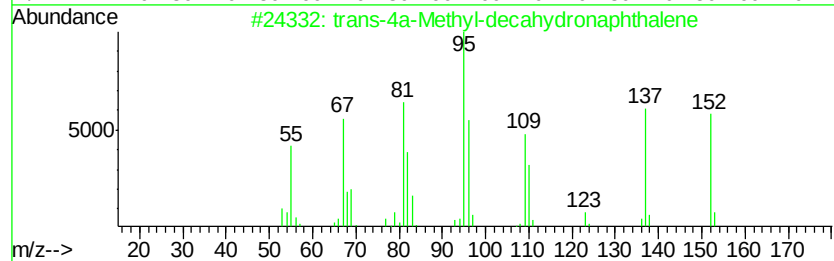
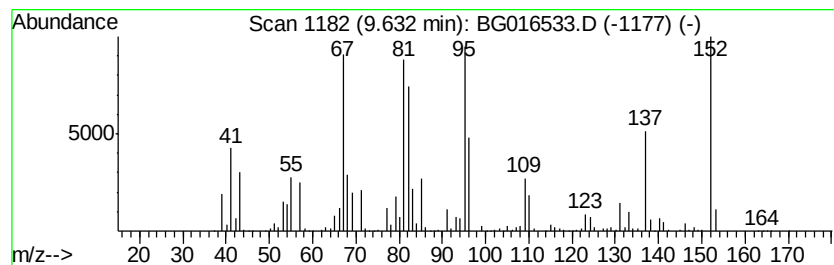
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ClientSampleId :
P5-28(10-15)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 trans-4a-Methyl-decahydrona... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	43.26 ng	4850740	Naphthalene-d8	10.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-4a-Methyl-decahydronaphtha...	152 C11H20	002547-27-5	93
2	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	81
3	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	64
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-04-9	64
5	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	55



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
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ClientSampleId :
P5-28(10-15)

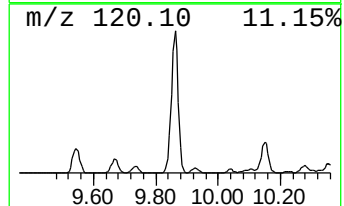
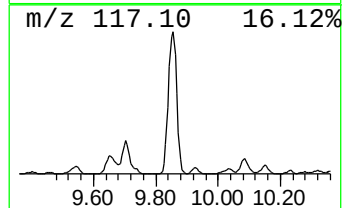
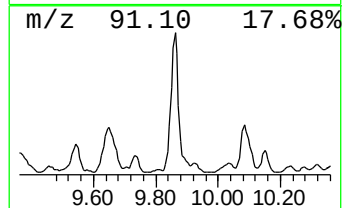
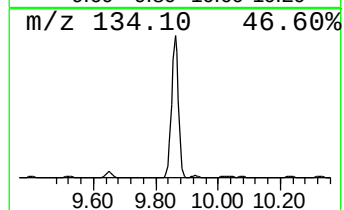
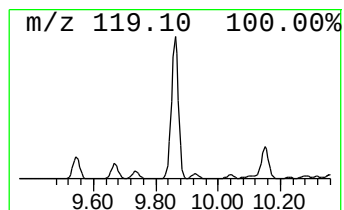
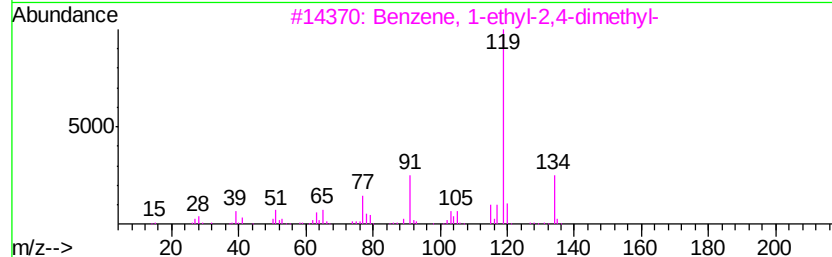
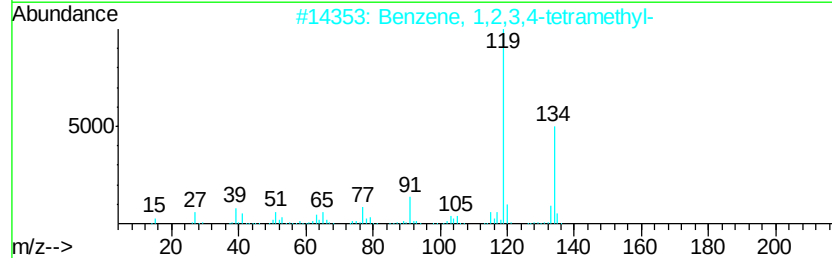
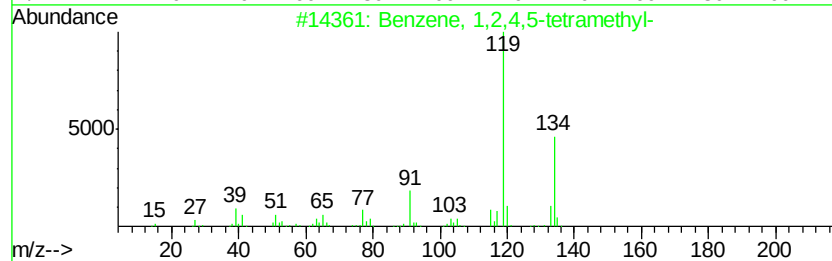
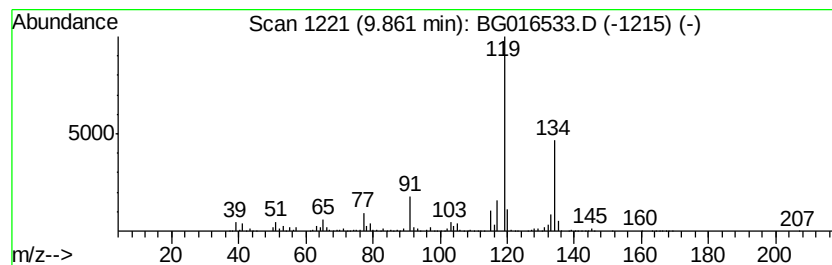
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	38.31 ng	4296130	Naphthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
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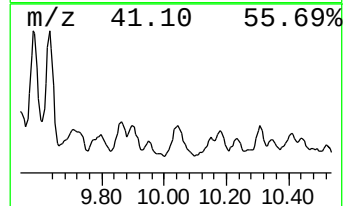
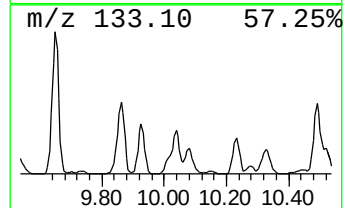
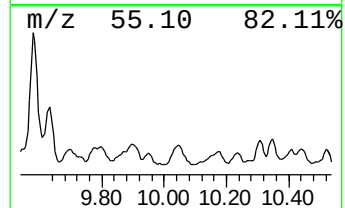
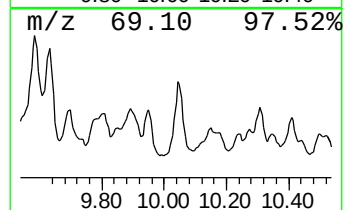
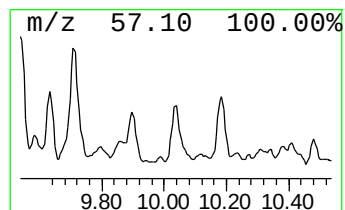
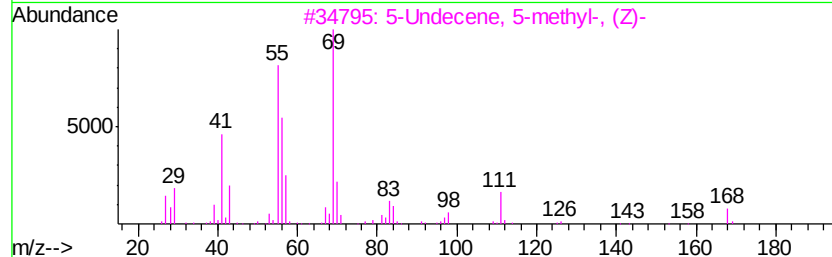
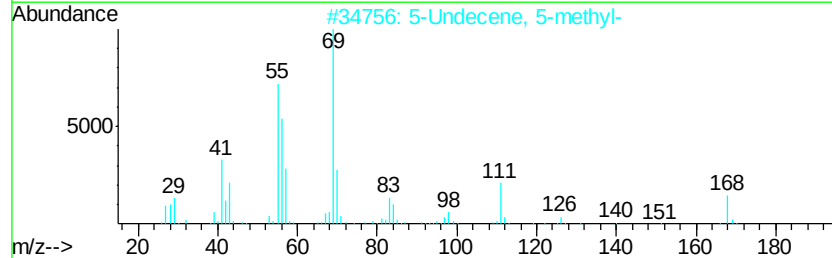
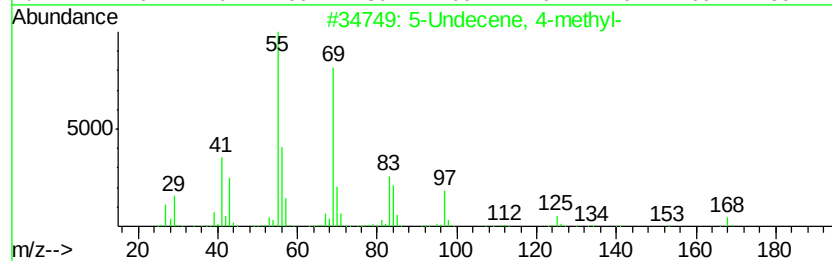
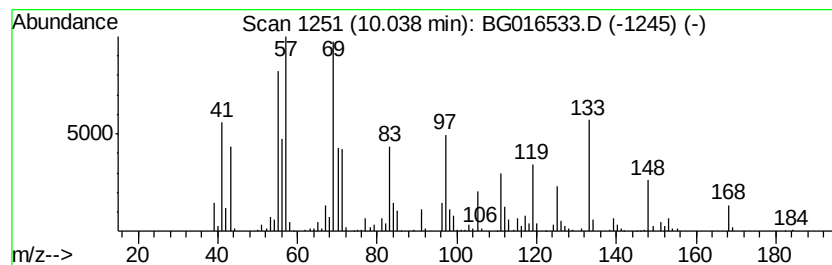
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5-Undecene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.04	13.39 ng	1501630	Naphthalene-d8	10.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene, 4-methyl-	168	C12H24	143185-91-5	62
2	5-Undecene, 5-methyl-	168	C12H24	031613-73-7	55
3	5-Undecene, 5-methyl-, (Z)-	168	C12H24	057024-93-8	46
4	3-Dodecene, (E)-	168	C12H24	007239-23-8	46
5	Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
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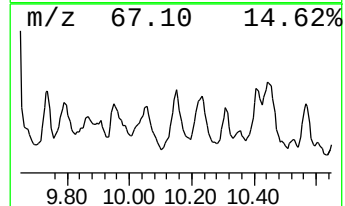
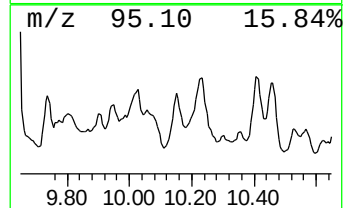
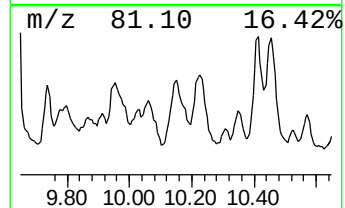
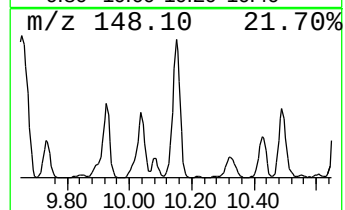
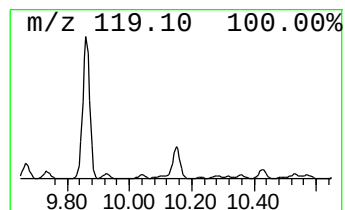
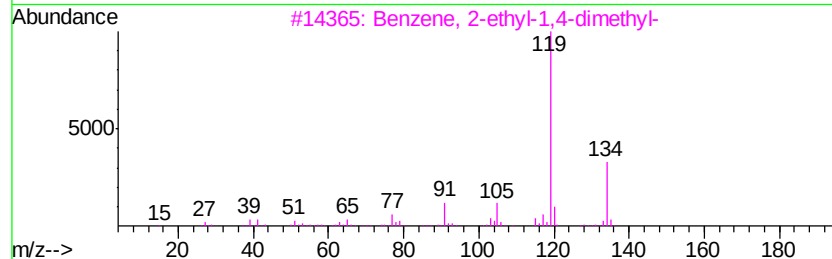
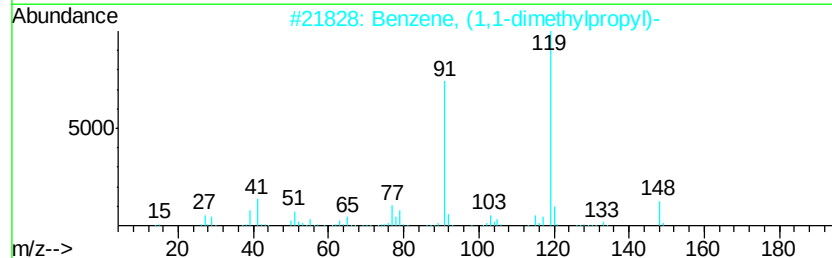
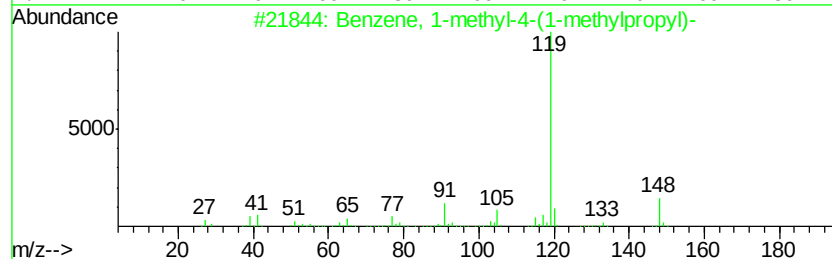
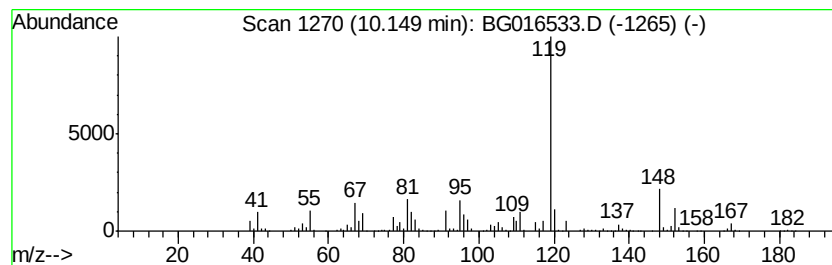
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	9.74 ng	1092400	Napthalene-d8	10.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	62
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	47
5			Chrysanthemic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P5-28(10-15)

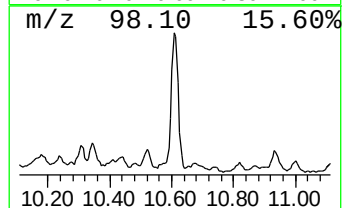
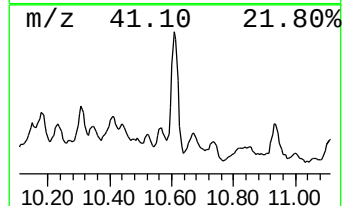
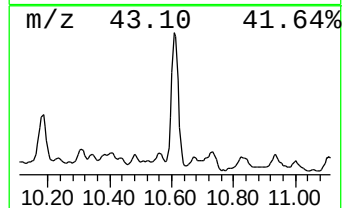
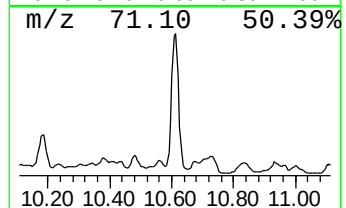
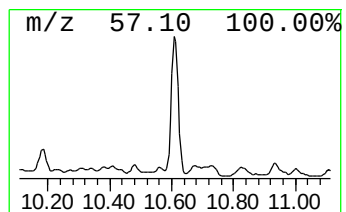
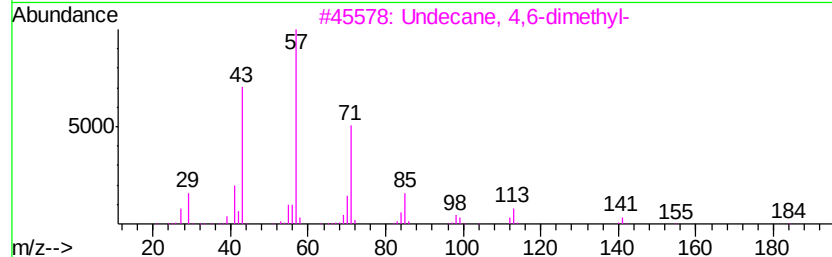
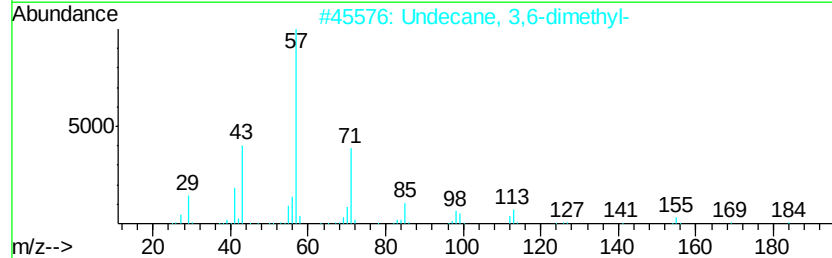
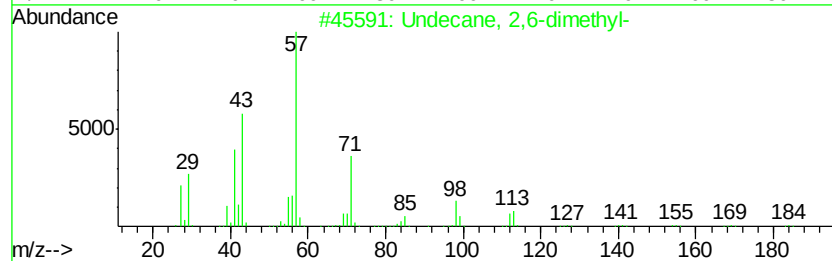
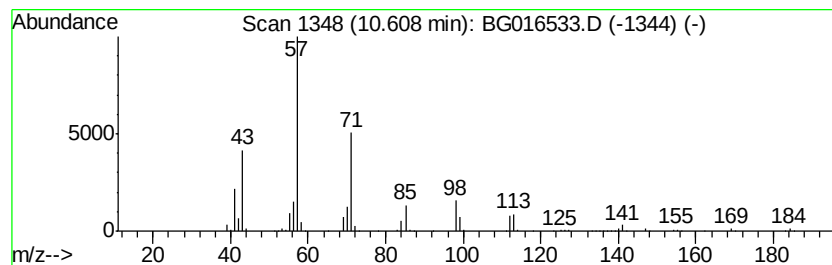
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	18.18 ng	2038480	Naphthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P5-28(10-15)

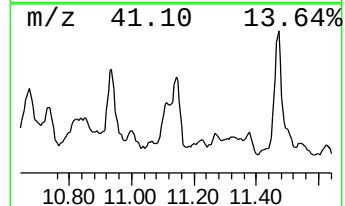
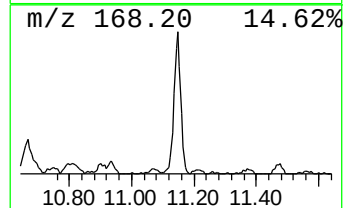
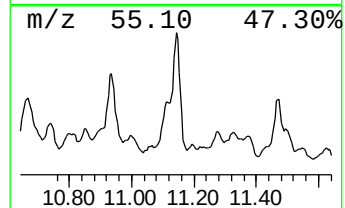
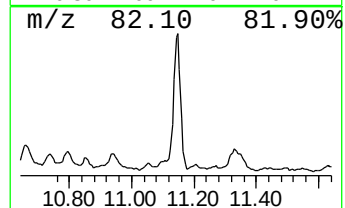
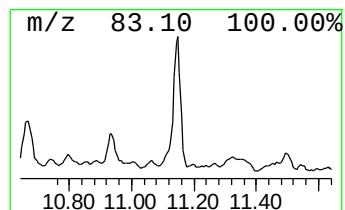
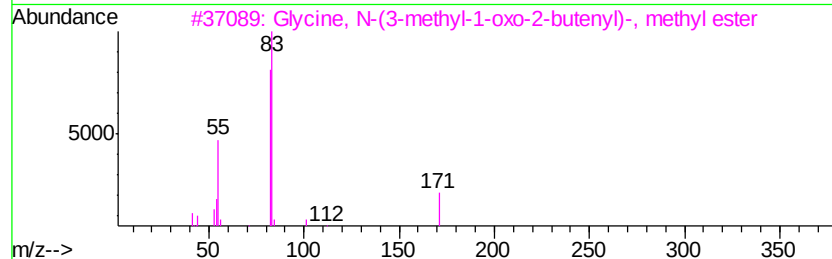
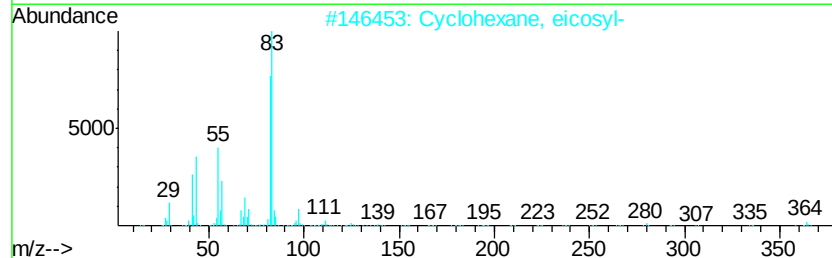
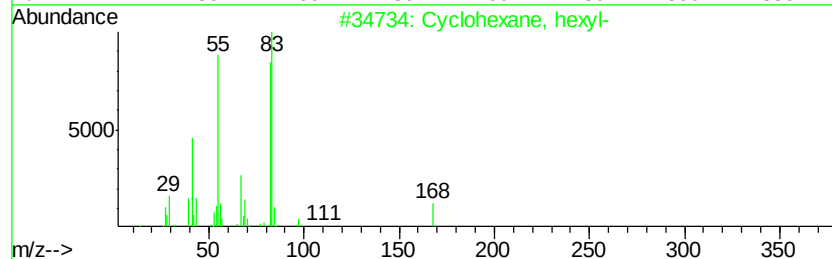
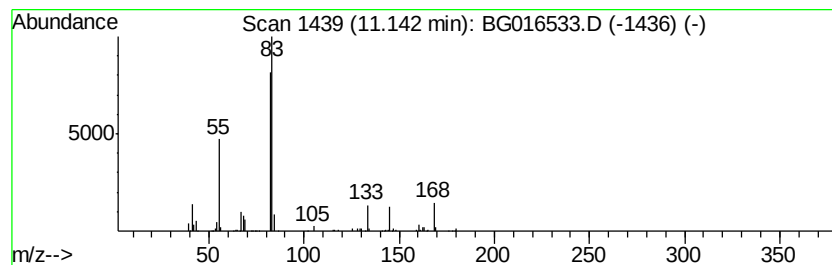
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclohexane, hexyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	7.95 ng	891992	Napthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	56
2		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	56
3		Glycine, N-(3-methyl-1-oxo-2-but...	171	C8H13NO3	056009-34-8	50
4		Cyclohexane, decyl-	224	C16H32	001795-16-0	40
5		n-Pentadecylcyclohexane	294	C21H42	006006-95-7	39



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P5-28(10-15)

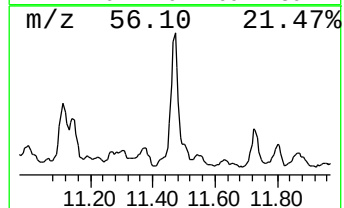
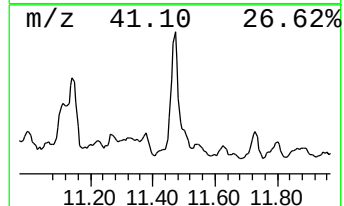
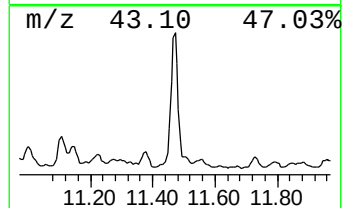
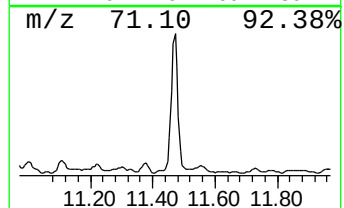
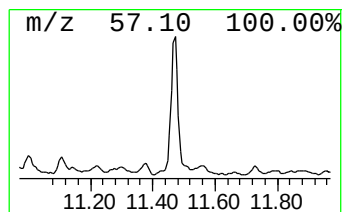
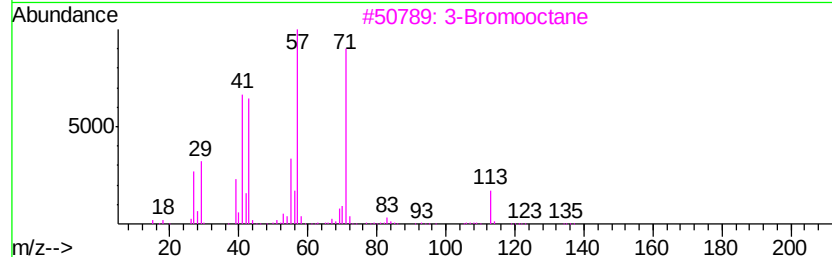
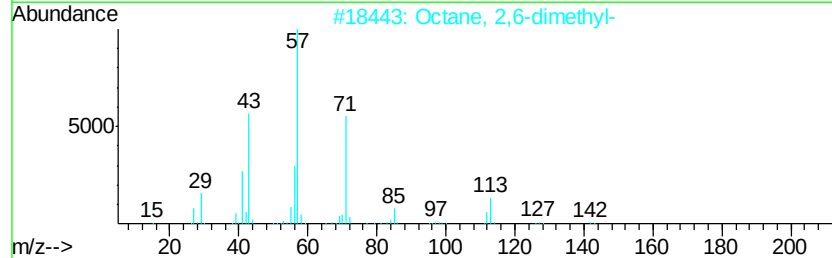
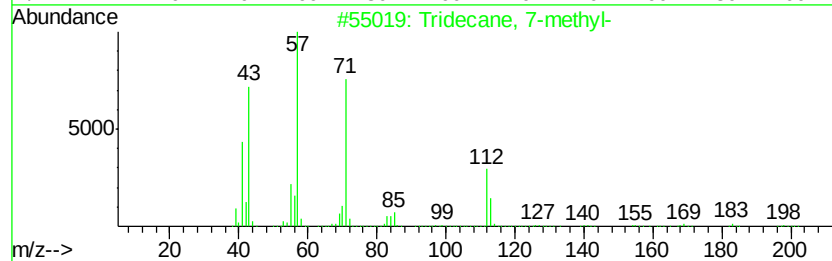
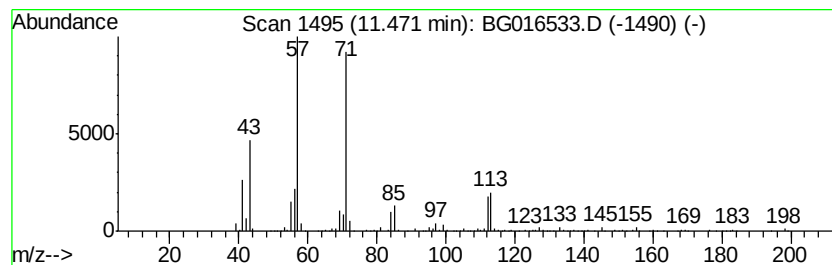
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	12.98 ng	1455510	Naphthalene-d8	10.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3		3-Bromooctane	192	C8H17Br	000999-64-4	64
4		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	59
5		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016533.D
Acq On : 18 Apr 2015 22:33
Operator : TP/IZ
Sample : G1868-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

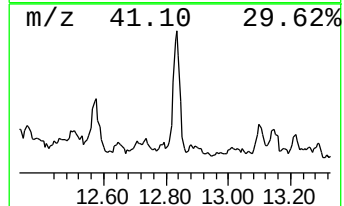
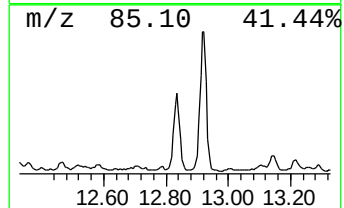
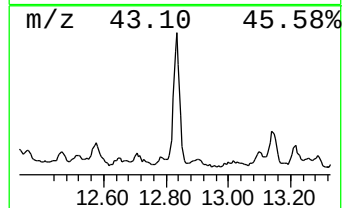
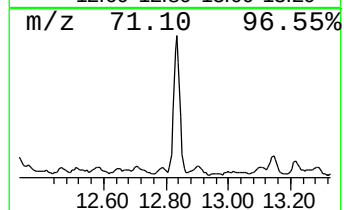
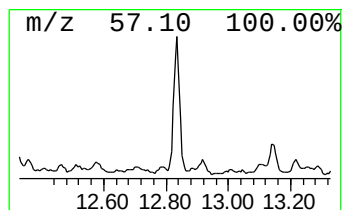
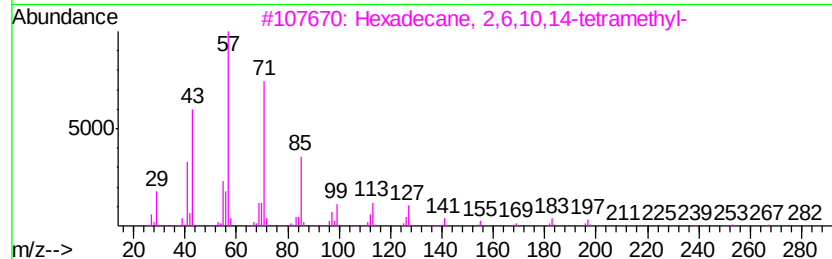
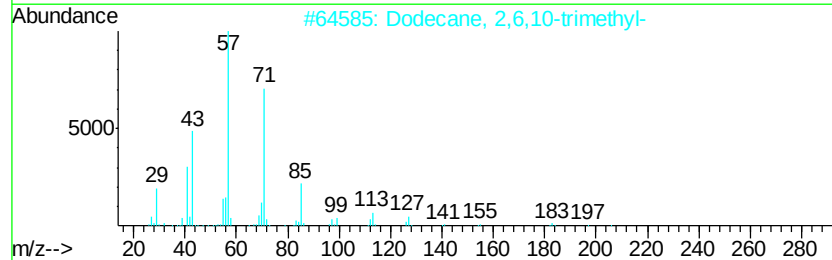
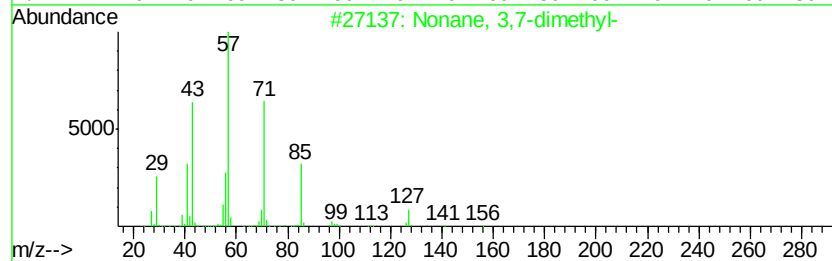
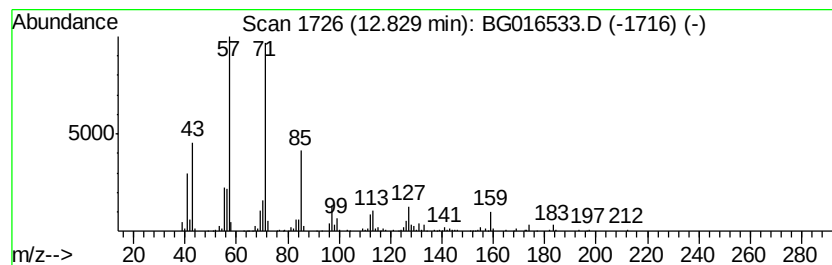
Instrument :
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ClientSampleId :
P5-28(10-15)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Nonane, 3,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	9.73 ng	507313	Acenaphthene-d10	14.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	87
2	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	64
4	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	59
5	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016533.D
 Acq On : 18 Apr 2015 22:33
 Operator : TP/IZ
 Sample : G1868-08
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P5-28(10-15)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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
Octane, 2,6-dimet...	6.22	8.3	ng	5343210	1	7.66	12872700	20.0
Heptane, 3-ethyl-...	6.34	10.1	ng	6469470	1	7.66	12872700	20.0
1-Dodecanol, 2-me...	7.86	14.6	ng	9412110	1	7.66	12872700	20.0
1-Ethyl-2,2,6-tri...	8.22	7.5	ng	4826020	1	7.66	12872700	20.0
Benzene, 1-methyl...	8.77	10.1	ng	6488000	1	7.66	12872700	20.0
unknown9.01	9.01	7.0	ng	4476690	1	7.66	12872700	20.0
unknown9.12	9.12	42.8	ng	4800590	2	10.45	2242660	20.0
Cyclohexane, 1-et...	9.21	10.0	ng	1116660	2	10.45	2242660	20.0
Decane, 3,7-dimet...	9.30	27.9	ng	3129520	2	10.45	2242660	20.0
Naphthalene, deca...	9.37	31.5	ng	3534200	2	10.45	2242660	20.0
unknown9.54	9.54	8.8	ng	980767	2	10.45	2242660	20.0
n-Amylcyclohexane	9.58	25.8	ng	2891870	2	10.45	2242660	20.0
trans-4a-Methyl-d...	9.63	43.3	ng	4850740	2	10.45	2242660	20.0
Benzene, 1,2,4,5-...	9.86	38.3	ng	4296130	2	10.45	2242660	20.0
5-Undecene, 4-met...	10.04	13.4	ng	1501630	2	10.45	2242660	20.0
Benzene, 1-methyl...	10.15	9.7	ng	1092400	2	10.45	2242660	20.0
Undecane, 2,6-dim...	10.61	18.2	ng	2038480	2	10.45	2242660	20.0
Cyclohexane, hexyl-	11.14	8.0	ng	891992	2	10.45	2242660	20.0
Tridecane, 7-methyl-	11.47	13.0	ng	1455510	2	10.45	2242660	20.0
Nonane, 3,7-dimet...	12.83	9.7	ng	507313	3	14.30	1042690	20.0