

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021227.D
 Acq On : 3 Mar 2016 00:56
 Operator : UM/SJ
 Sample : H1640-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WEST-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-BG022916.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.049	31	36	50	rBV	688985	904967	100.00%	10.959%
2	5.235	403	408	415	rVB	45852	68897	7.61%	0.834%
3	5.699	480	487	496	rBV	215160	340272	37.60%	4.121%
4	7.297	750	759	771	rBV	248511	428990	47.40%	5.195%
5	7.673	810	823	831	rBV	244478	407709	45.05%	4.937%
6	8.102	891	896	898	rBV	9679	13714	1.52%	0.166%
7	8.143	898	903	909	rVB	42828	70444	7.78%	0.853%
8	8.314	927	932	938	rBV5	7514	12914	1.43%	0.156%
9	8.384	938	944	949	rVV4	8172	14914	1.65%	0.181%
10	8.467	951	958	966	rVB	151327	268284	29.65%	3.249%
11	8.696	988	997	1003	rVB3	8394	18534	2.05%	0.224%
12	8.978	1040	1045	1050	rVV3	9735	19986	2.21%	0.242%
13	9.025	1050	1053	1061	rVB4	5271	10185	1.13%	0.123%
14	9.242	1079	1090	1094	rBV5	12768	31699	3.50%	0.384%
15	9.307	1094	1101	1110	rVB	158872	285886	31.59%	3.462%
16	9.407	1110	1118	1122	rBV3	12779	23539	2.60%	0.285%
17	9.571	1140	1146	1147	rBV4	5205	9389	1.04%	0.114%
18	9.595	1147	1150	1157	rVB5	7149	15534	1.72%	0.188%
19	9.700	1157	1168	1169	rBV4	6267	14175	1.57%	0.172%
20	9.771	1175	1180	1187	rBV3	23680	38134	4.21%	0.462%
21	9.865	1192	1196	1206	rVB5	13334	32211	3.56%	0.390%
22	10.000	1211	1219	1221	rBV8	6716	13727	1.52%	0.166%
23	10.129	1233	1241	1245	rVB6	18723	33972	3.75%	0.411%
24	10.382	1274	1284	1290	rVV10	6285	19122	2.11%	0.232%
25	10.523	1301	1308	1316	rBV6	8699	25195	2.78%	0.305%
26	10.664	1323	1332	1337	rVB5	15262	36550	4.04%	0.443%
27	10.717	1337	1341	1347	rBV8	8323	18223	2.01%	0.221%
28	10.911	1368	1374	1375	rBV6	8151	13192	1.46%	0.160%
29	10.952	1375	1381	1389	rVV	77608	157080	17.36%	1.902%
30	11.011	1389	1391	1395	rVV3	8827	12190	1.35%	0.148%
31	11.093	1399	1405	1411	rVB	40447	74779	8.26%	0.906%
32	11.158	1411	1416	1422	rBV5	19899	42181	4.66%	0.511%
33	11.316	1435	1443	1447	rBV6	9895	24380	2.69%	0.295%
34	11.369	1448	1452	1456	rVV5	13785	25118	2.78%	0.304%

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35	11.434	1458	1463	1468	rVB3	29362	53394	5.90%	0.647%
36	11.551	1480	1483	1487	rBV4	6438	12341	1.36%	0.149%
37	11.610	1487	1493	1494	rBV4	13424	22015	2.43%	0.267%
38	11.716	1503	1511	1515	rBV4	8960	21950	2.43%	0.266%
39	11.775	1515	1521	1525	rBV6	11218	26773	2.96%	0.324%
40	11.921	1541	1546	1547	rBV3	6581	9642	1.07%	0.117%
41	11.992	1554	1558	1562	rBV2	22267	34897	3.86%	0.423%
42	12.039	1562	1566	1571	rVB4	14812	27381	3.03%	0.332%
43	12.133	1578	1582	1588	rVB6	13176	23763	2.63%	0.288%
44	12.215	1591	1596	1601	rVV2	28590	50593	5.59%	0.613%
45	12.268	1601	1605	1610	rVB6	12568	26224	2.90%	0.318%
46	12.550	1648	1653	1661	rVB7	29649	72460	8.01%	0.878%
47	12.744	1681	1686	1689	rBV4	18527	37298	4.12%	0.452%
48	12.967	1720	1724	1731	rBV8	16520	33688	3.72%	0.408%
49	13.038	1731	1736	1742	rVB5	20928	40613	4.49%	0.492%
50	13.102	1743	1747	1752	rBV8	10772	23506	2.60%	0.285%
51	13.285	1774	1778	1784	rVB6	21575	37690	4.16%	0.456%
52	13.384	1789	1795	1800	rVB	334539	534296	59.04%	6.471%
53	13.555	1819	1824	1835	rVB9	35886	99565	11.00%	1.206%
54	13.807	1864	1867	1873	rVB4	28460	47126	5.21%	0.571%
55	13.866	1873	1877	1878	rBV3	10552	13488	1.49%	0.163%
56	13.954	1888	1892	1896	rBV4	20980	34728	3.84%	0.421%
57	14.136	1919	1923	1925	rBV5	19146	33345	3.68%	0.404%
58	14.201	1931	1934	1941	rVB3	79400	157184	17.37%	1.904%
59	14.313	1950	1953	1955	rBV3	16217	20710	2.29%	0.251%
60	14.389	1964	1966	1973	rVB6	26867	40439	4.47%	0.490%
61	14.477	1977	1981	1985	rBV	48938	88787	9.81%	1.075%
62	14.583	1995	1999	2004	rVB2	45884	69208	7.65%	0.838%
63	14.718	2016	2022	2023	rBV4	35774	61205	6.76%	0.741%
64	14.753	2024	2028	2034	rVB3	122536	214053	23.65%	2.592%
65	14.971	2061	2065	2069	rVB5	32813	47683	5.27%	0.577%
66	15.265	2110	2115	2120	rBV5	40505	82331	9.10%	0.997%
67	15.364	2127	2132	2137	rBV	86486	160017	17.68%	1.938%
68	15.541	2155	2162	2163	rBV4	27165	61463	6.79%	0.744%
69	15.570	2163	2167	2171	rVV3	55006	84510	9.34%	1.023%
70	15.629	2174	2177	2182	rVB5	26267	40990	4.53%	0.496%
71	15.787	2200	2204	2212	rVB6	45494	86475	9.56%	1.047%

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72	16.081	2251	2254	2256	rBV3	26464	32544	3.60%	0.394%
73	16.199	2271	2274	2276	rBV2	29279	40557	4.48%	0.491%
74	16.240	2276	2281	2288	rVB2	282956	422132	46.65%	5.112%
75	16.598	2339	2342	2347	rVB3	33696	48785	5.39%	0.591%
76	17.051	2416	2419	2429	rVB9	33398	83460	9.22%	1.011%
77	17.497	2489	2495	2502	rBV	136304	219879	24.30%	2.663%
78	17.756	2537	2539	2547	rVB7	22538	45406	5.02%	0.550%
79	18.073	2590	2593	2601	rVB2	32619	54173	5.99%	0.656%
80	19.272	2793	2797	2801	rVB	24437	31927	3.53%	0.387%
81	19.401	2817	2819	2824	rVB6	12849	14253	1.57%	0.173%
82	19.965	2911	2915	2920	rVB5	10517	21165	2.34%	0.256%
83	20.082	2930	2935	2941	rVB	570660	749313	82.80%	9.074%
84	21.628	3196	3198	3205	rVB5	9150	13479	1.49%	0.163%
85	21.757	3214	3220	3228	rBV2	135120	225984	24.97%	2.737%
86	25.035	3771	3778	3789	rVB2	71095	196424	21.71%	2.379%

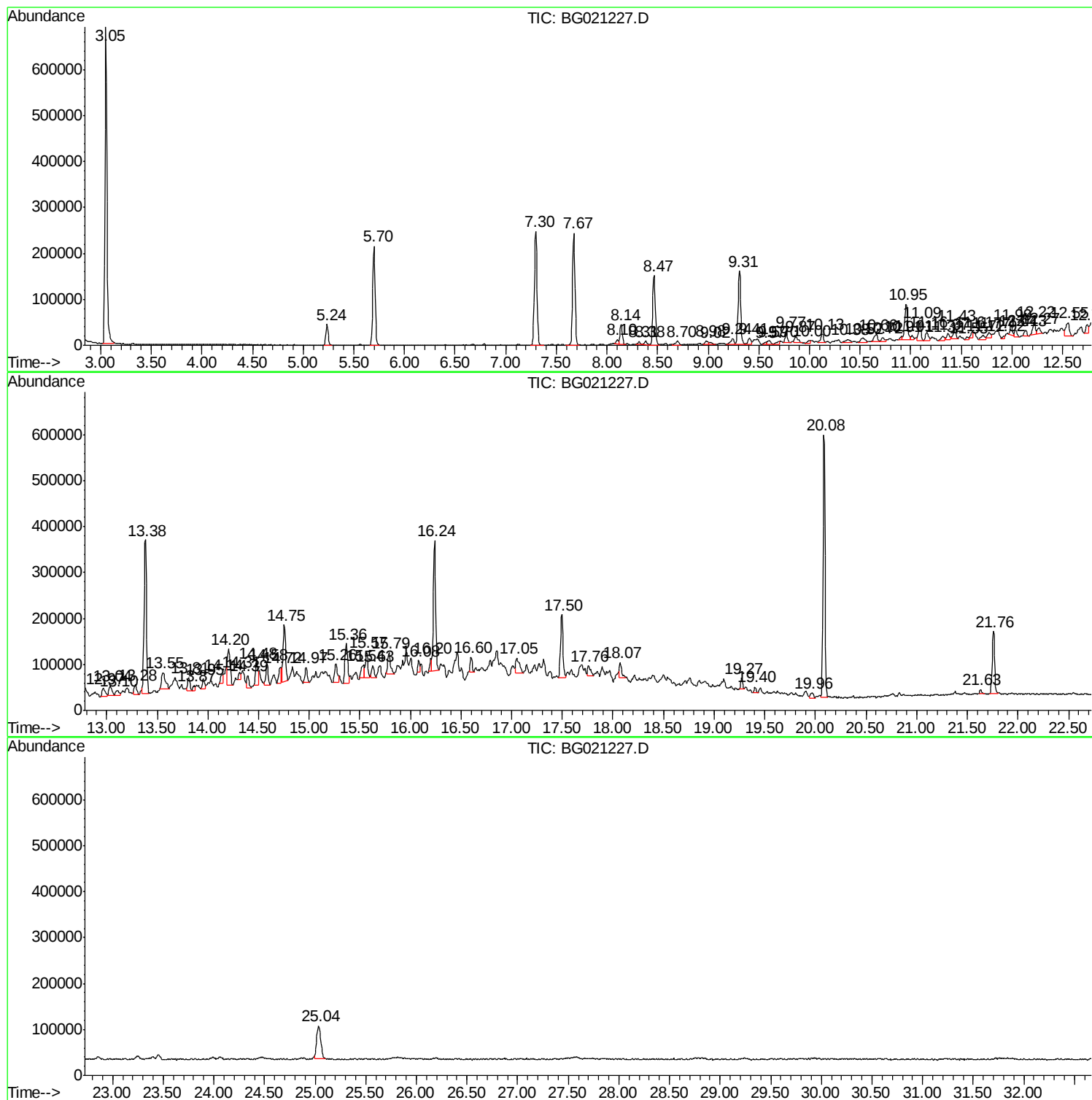
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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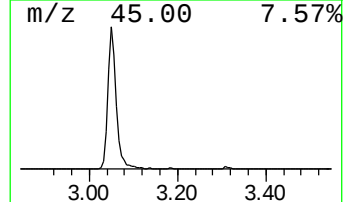
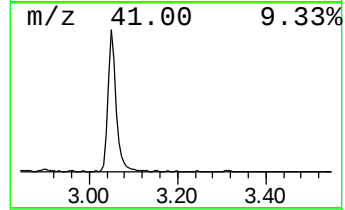
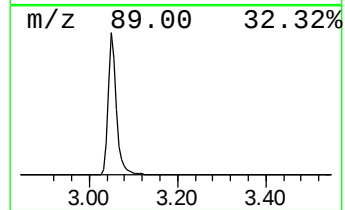
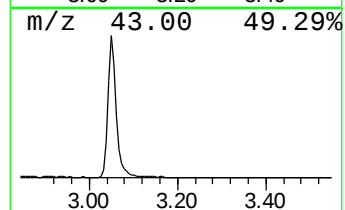
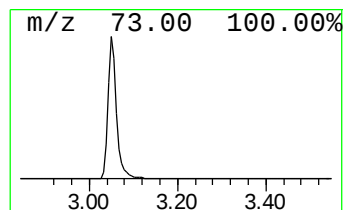
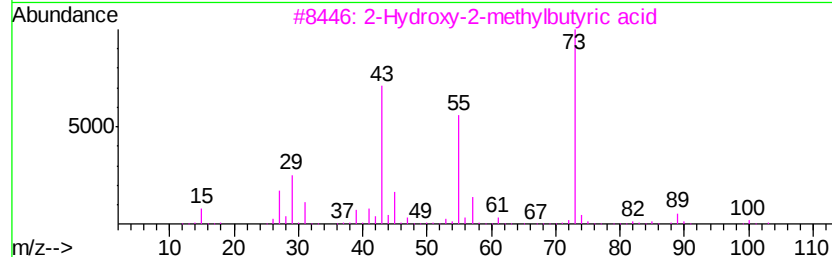
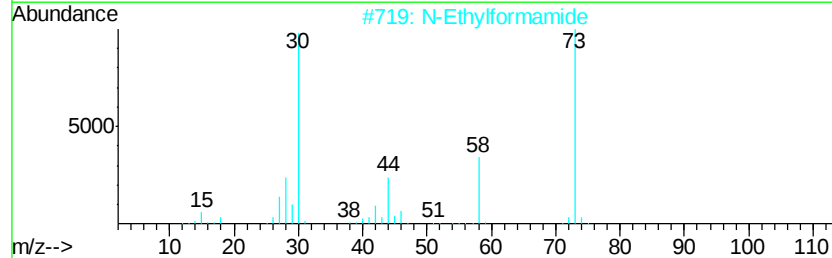
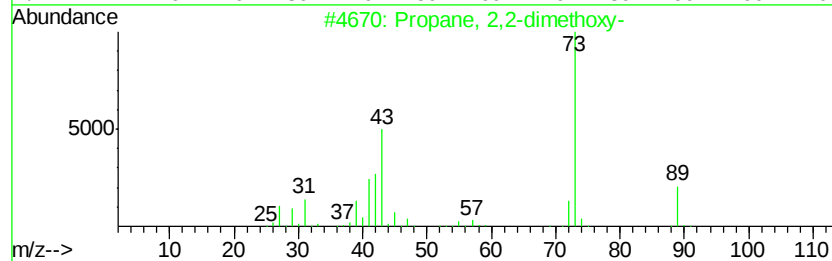
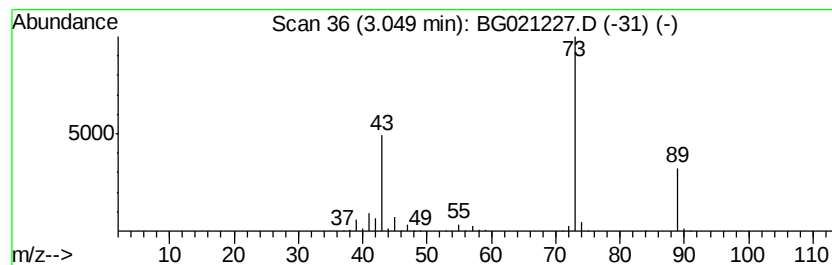
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	256.93 ng	904967	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2		N-Ethylformamide	73	C3H7NO	000627-45-2	9
3		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9



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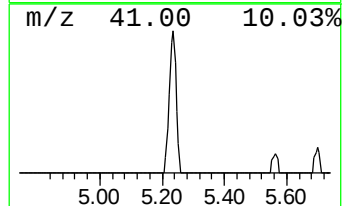
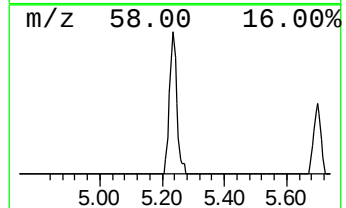
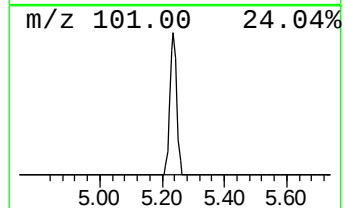
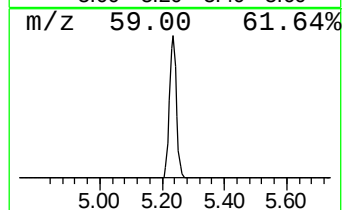
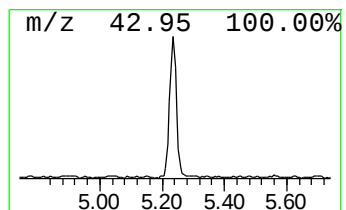
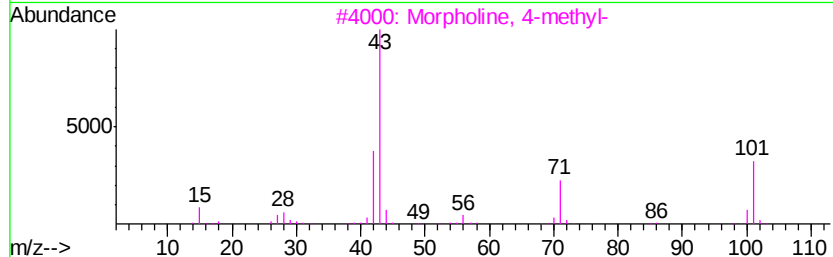
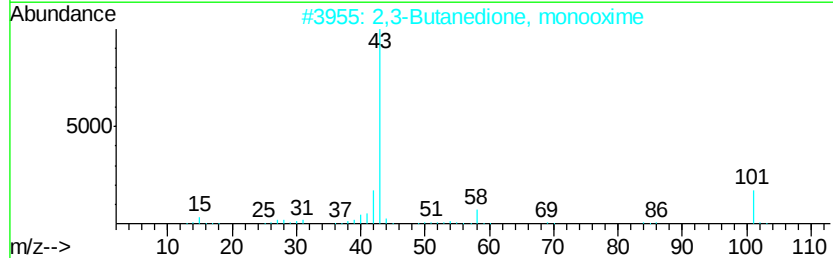
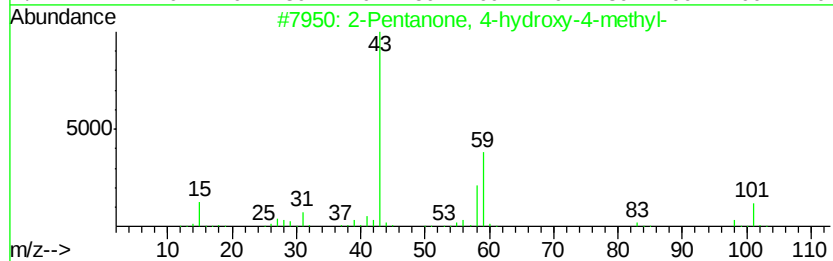
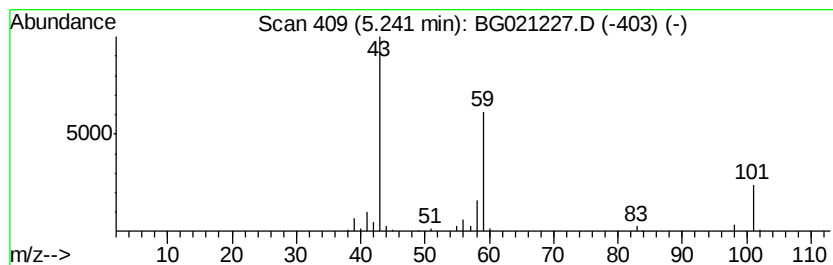
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	19.56 ng	68897	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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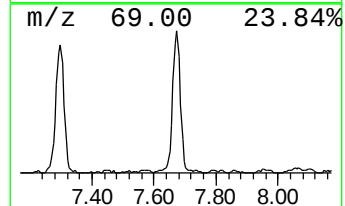
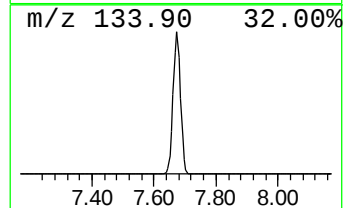
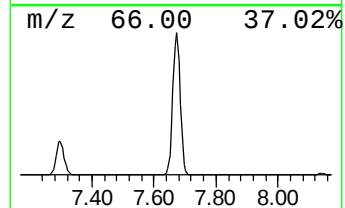
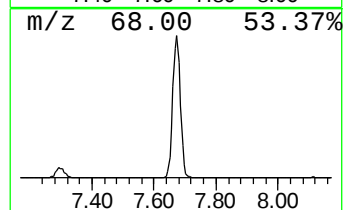
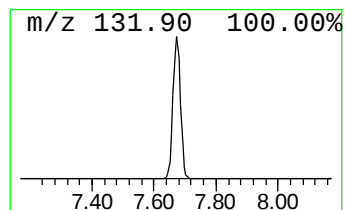
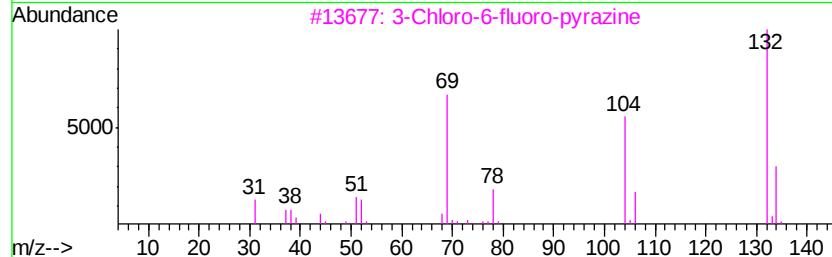
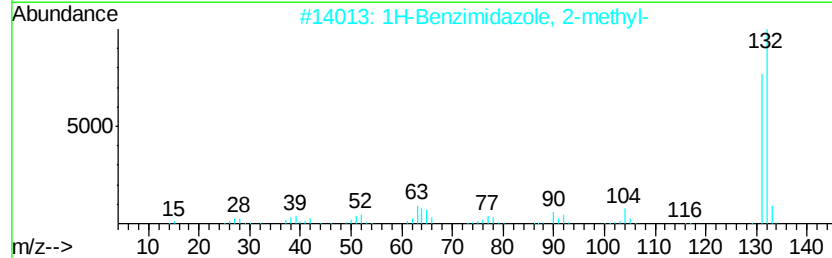
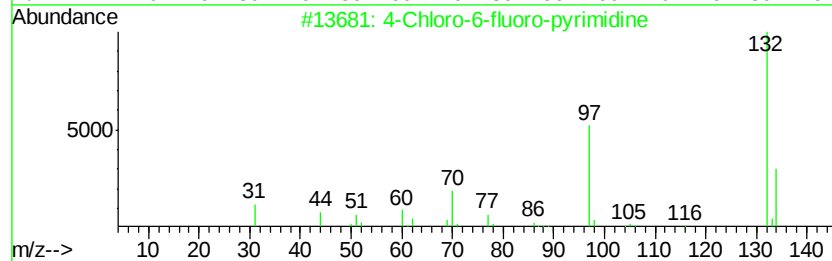
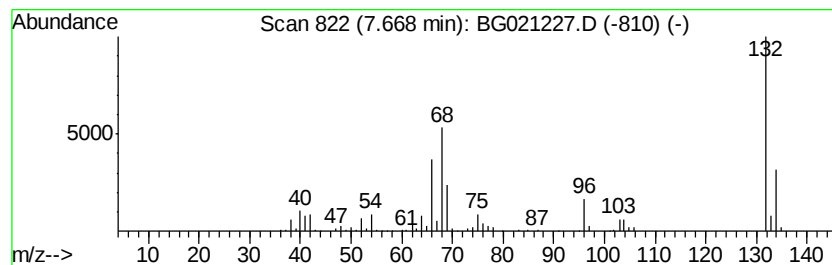
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.67 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	115.75 ng	407709	1,4-Dichlorobenzene-d4	8.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5			5-Aminoindole	132	C8H8N2	005192-03-0	12



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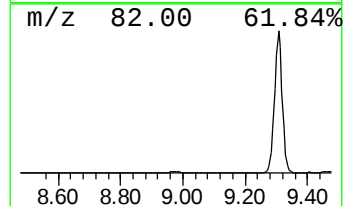
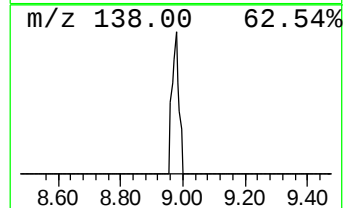
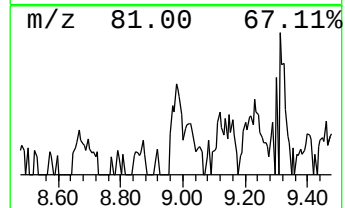
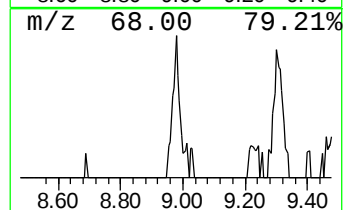
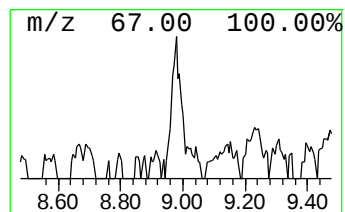
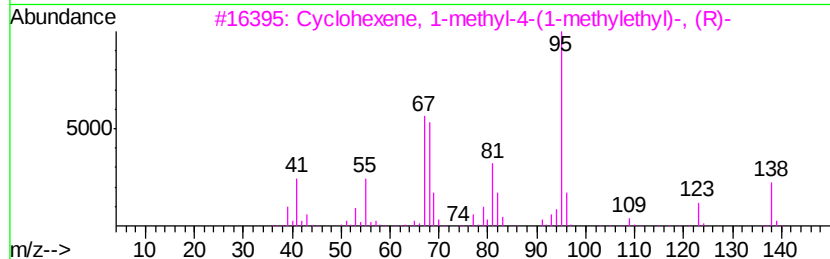
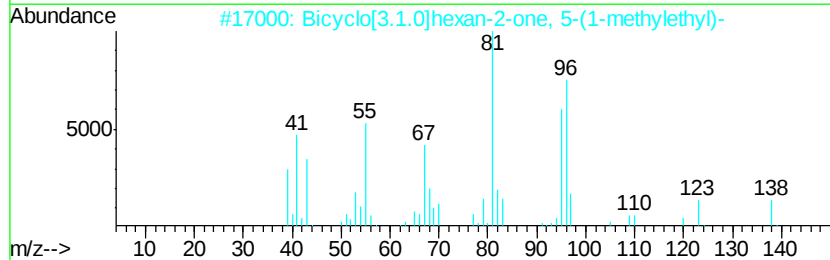
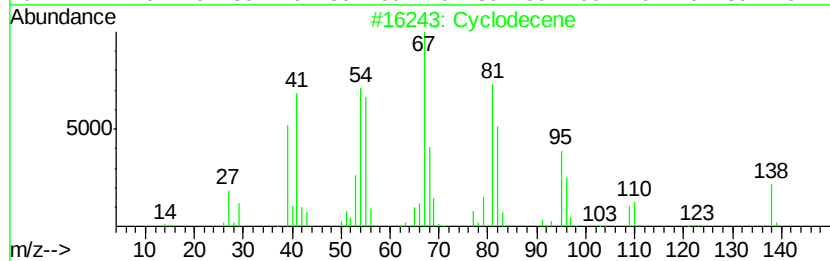
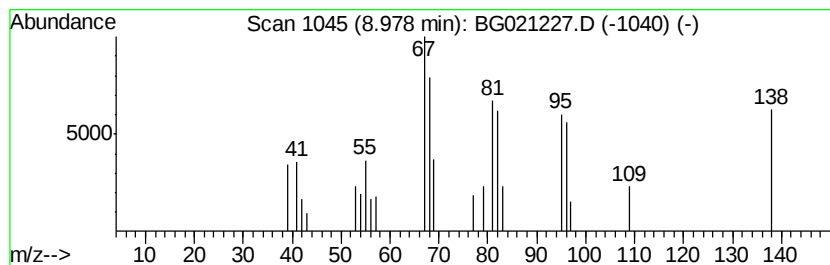
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclodecene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	5.67 ng	19986	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclodecene	138	C10H18	003618-12-0	81
2		Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	64
3		Cyclohexene, 1-methyl-4-(1-methyl...	138	C10H18	001195-31-9	53
4		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	53
5		3-Eicosyne	278	C20H38	061886-66-6	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WEST-1

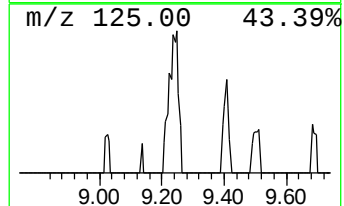
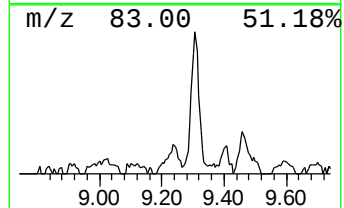
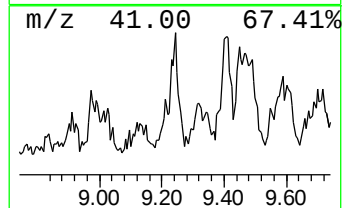
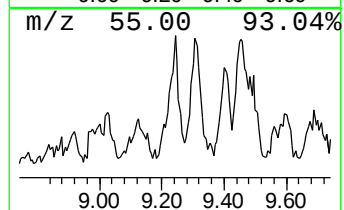
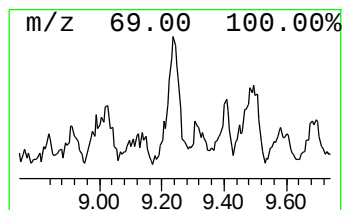
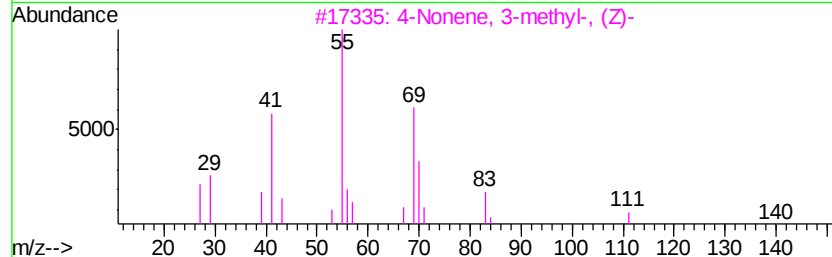
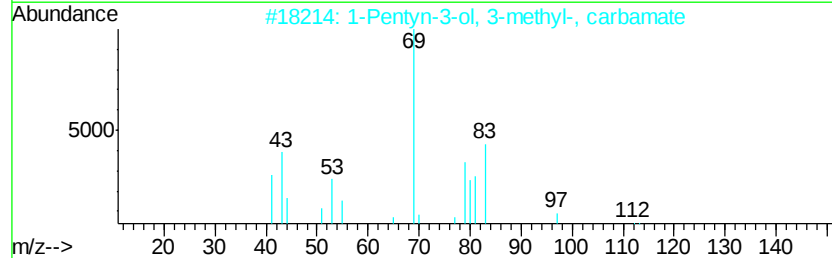
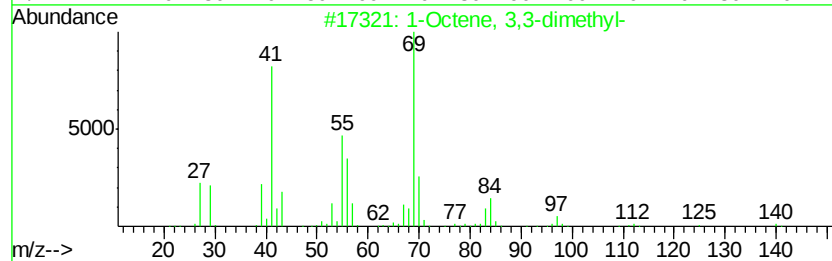
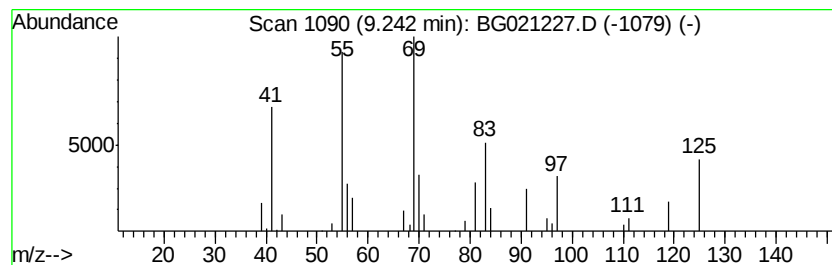
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown9.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	9.00 ng	31699	1,4-Dichlorobenzene-d4	8.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	35
2			1-Pentyn-3-ol, 3-methyl-, carbamate	141	C7H11NO2	000302-66-9	35
3			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	35
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	32
5			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
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Sample : H1640-01
Misc :
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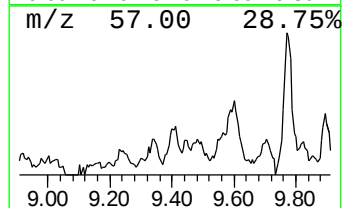
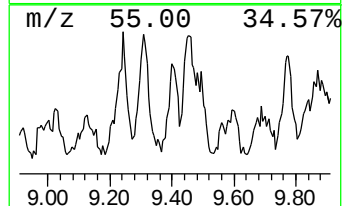
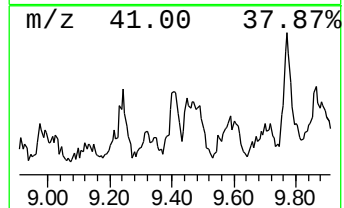
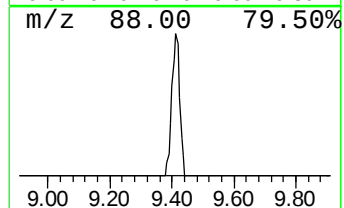
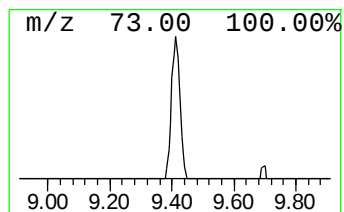
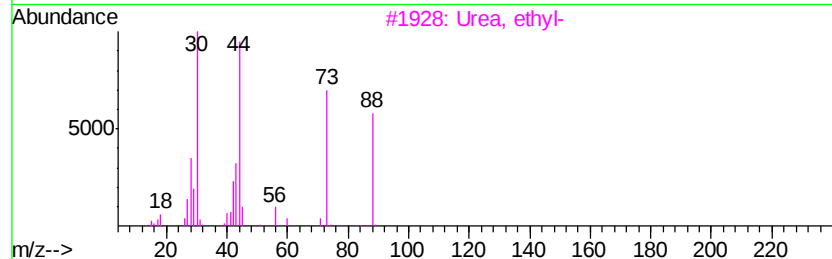
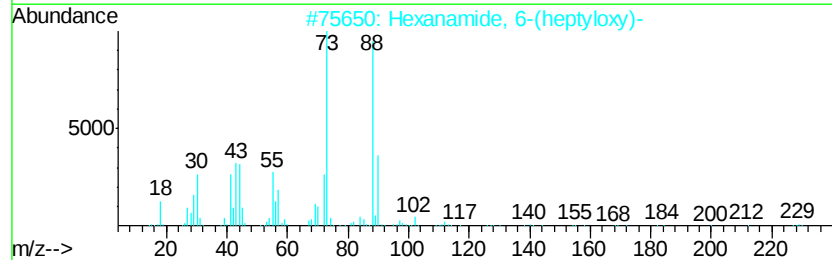
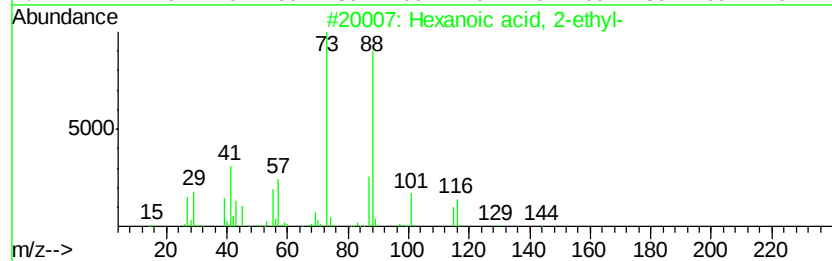
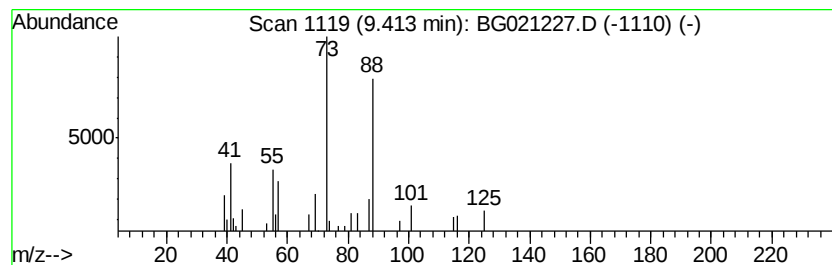
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown9.41 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	6.68 ng	23539	1,4-Dichlorobenzene-d4	8.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	33
2			Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	23
3			Urea, ethyl-	88	C3H8N2O	000625-52-5	17
4			Hexanoic acid, ethyl ester	144	C8H16O2	000123-66-0	17
5			Urea, N,N'-dimethyl-	88	C3H8N2O	000096-31-1	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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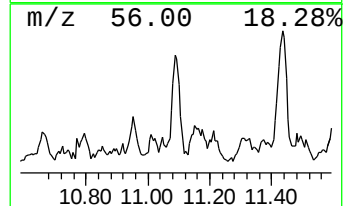
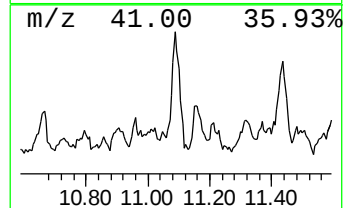
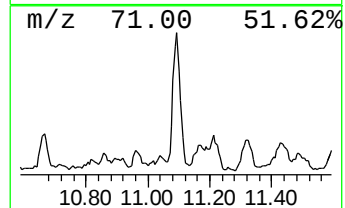
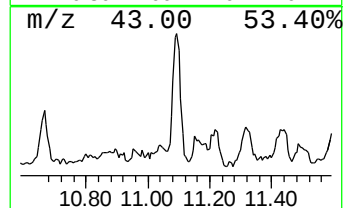
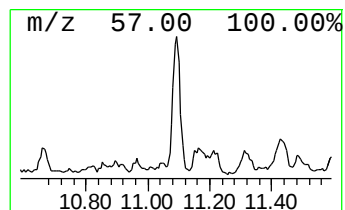
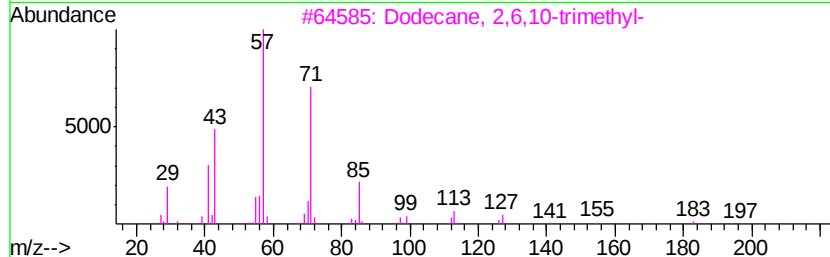
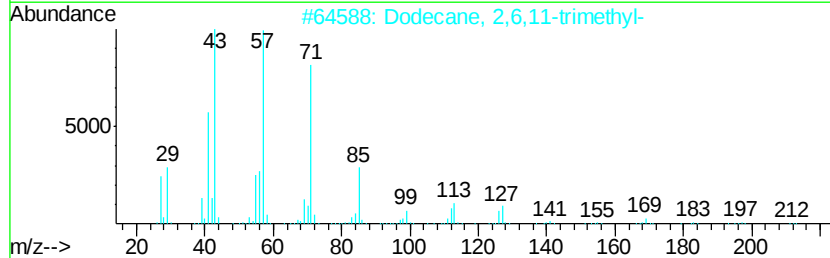
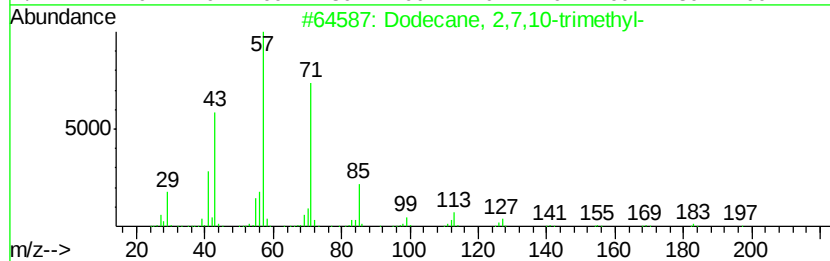
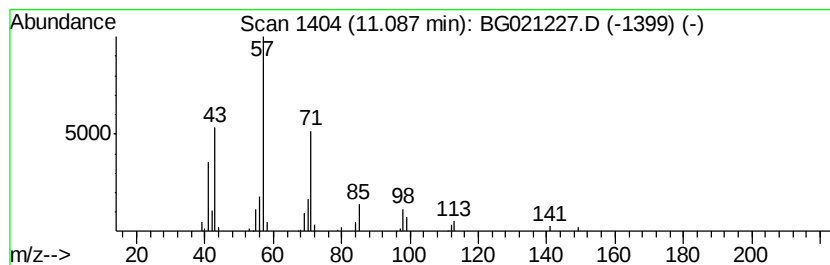
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	9.52 ng	74779	Naphthalene-d8	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	59
5		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
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Misc :
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Instrument :
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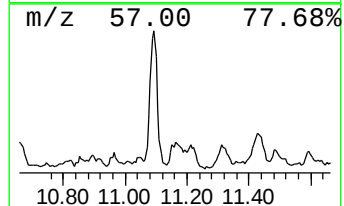
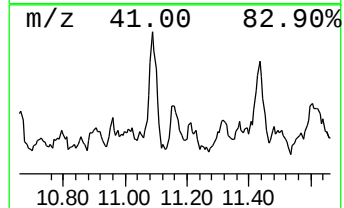
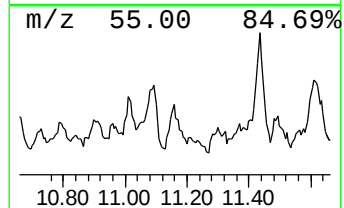
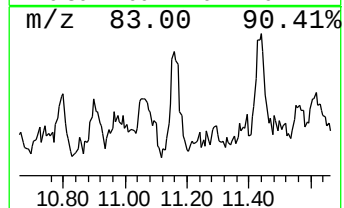
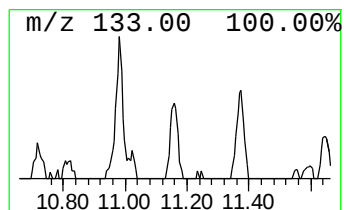
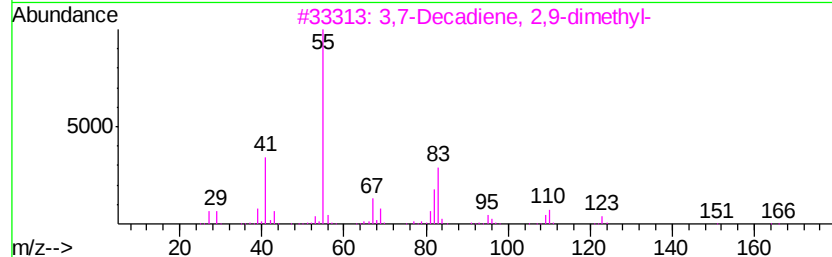
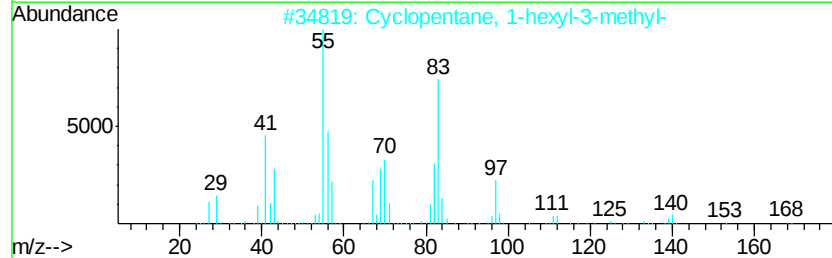
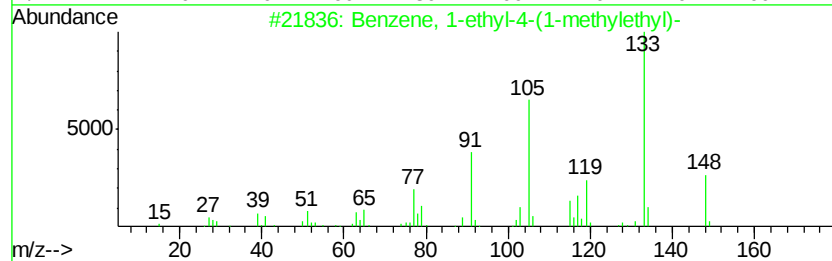
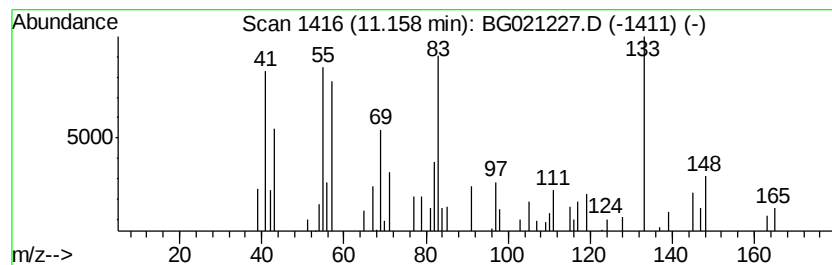
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.16 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	5.37 ng	42181	Naphthalene-d8	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
2		Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	25
3		3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	22
4		2-Bromopropionic acid, cyclohexyl-	234	C9H15BrO2	015151-89-0	22
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	22



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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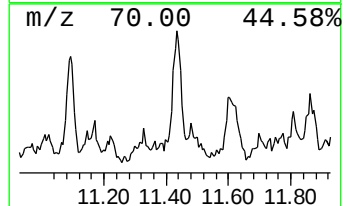
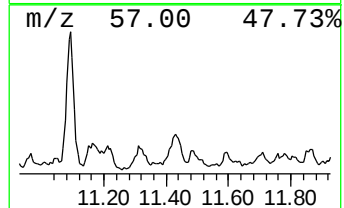
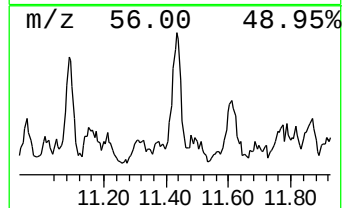
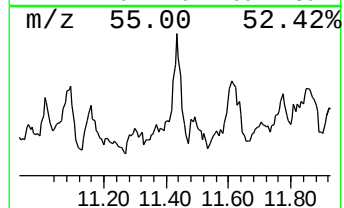
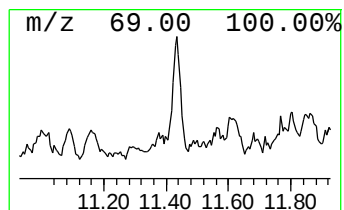
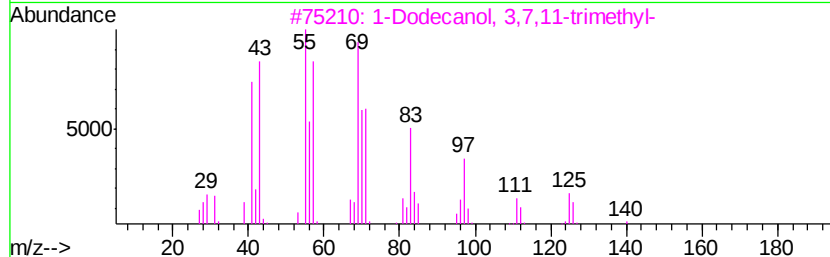
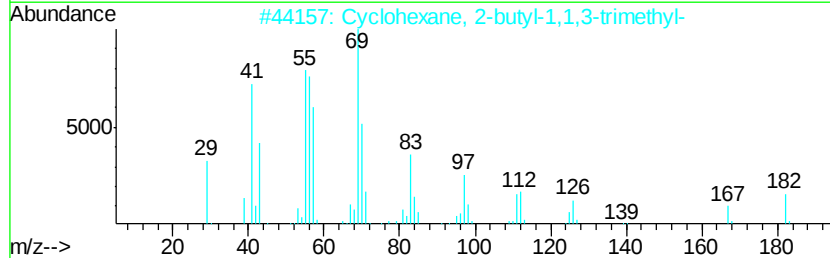
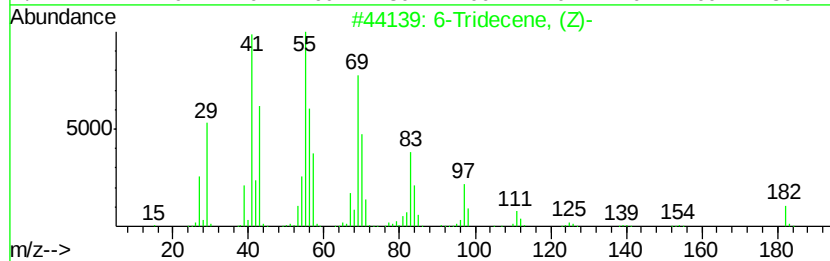
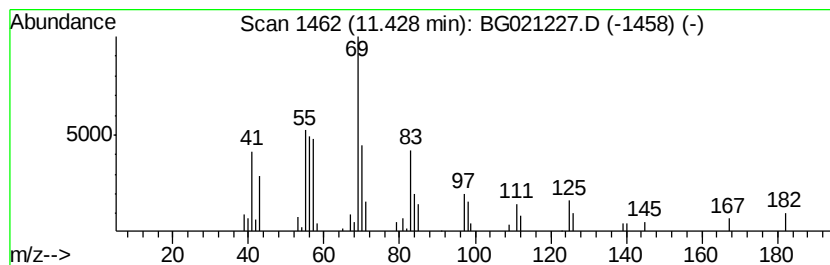
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 6-Tridecene, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	6.80 ng	53394	Naphthalene-d8	10.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Tridecene, (Z)-	182	C13H26	006508-77-6	91
2			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
3			1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	53
4			2-Tridecene, (E)-	182	C13H26	041446-58-6	50
5			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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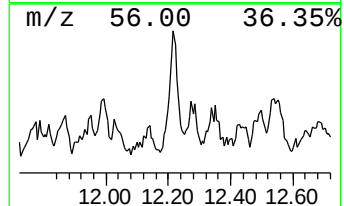
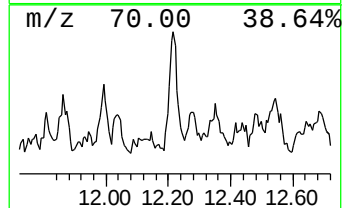
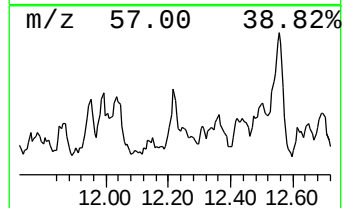
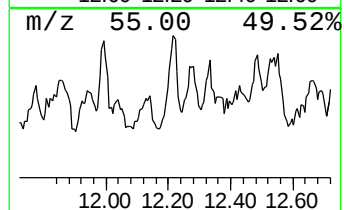
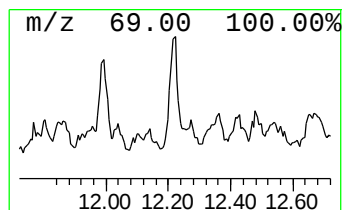
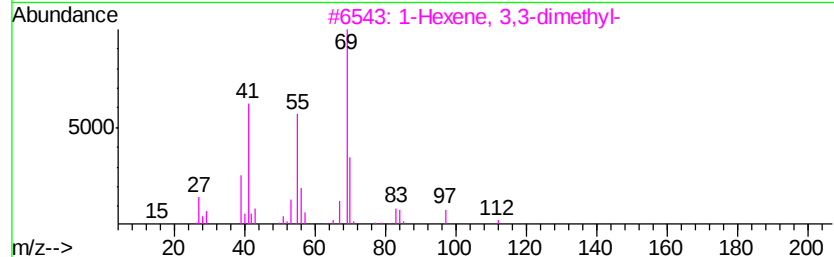
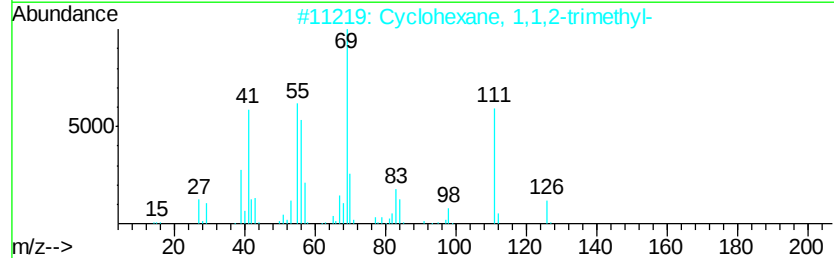
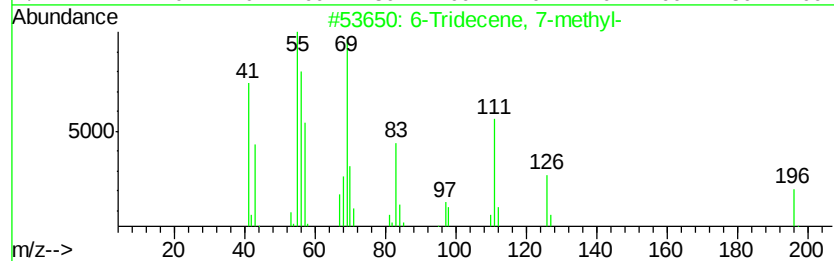
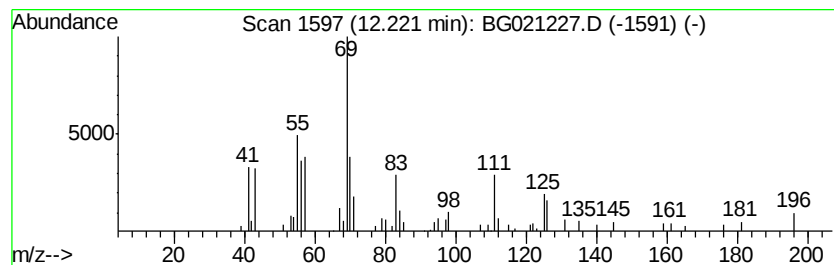
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 6-Tridecene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.44 ng	50593	Naphthalene-d8	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	64
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	60
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	60
4		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49
5		Cyclopentane, ethyl-	98	C7H14	001640-89-7	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WEST-1

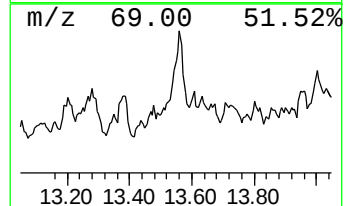
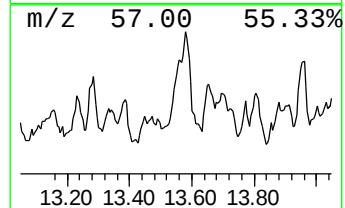
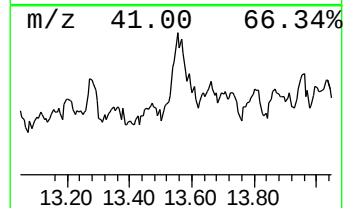
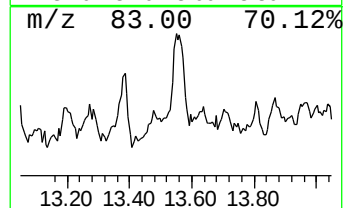
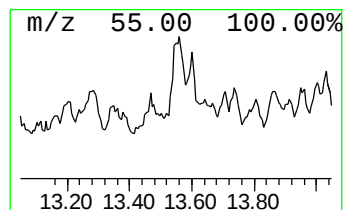
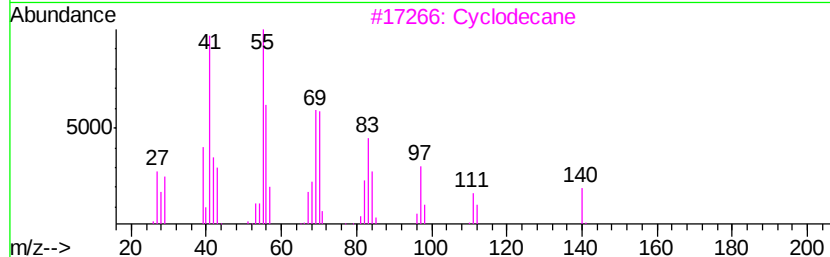
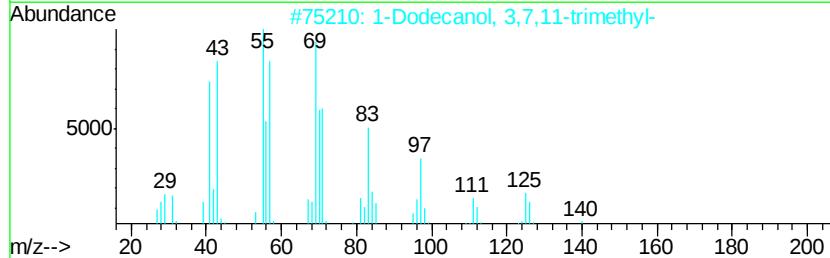
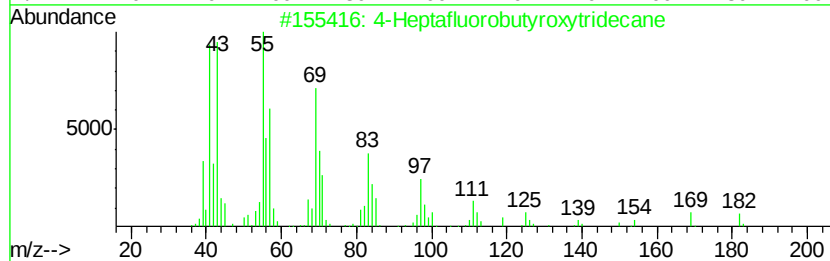
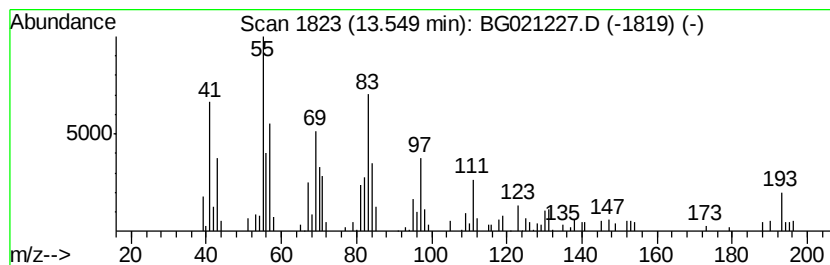
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4-Heptafluorobutyroxytridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	9.30 ng	99565	Acenaphthene-d10	14.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-6	64
2		1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	58
3		Cyclodecane	140	C10H20	000293-96-9	58
4		3-Eicosene, (E)-	280	C20H40	074685-33-9	53
5		1-Docosene	308	C22H44	001599-67-3	52



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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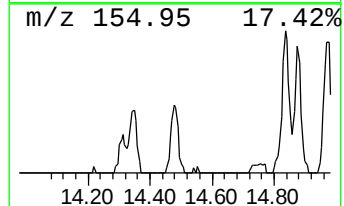
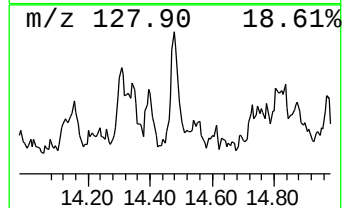
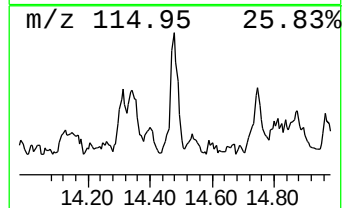
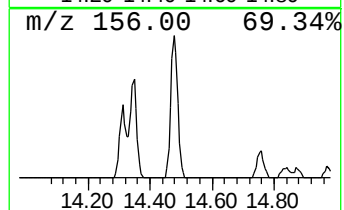
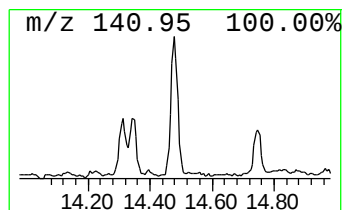
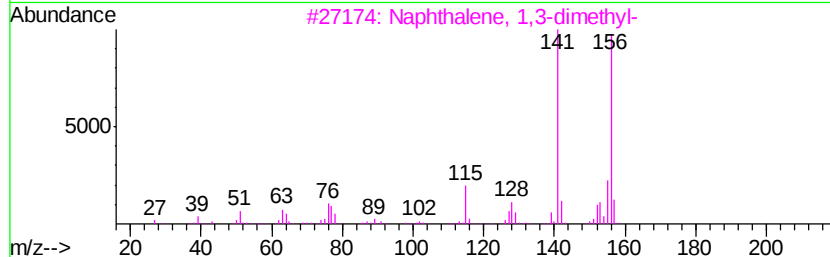
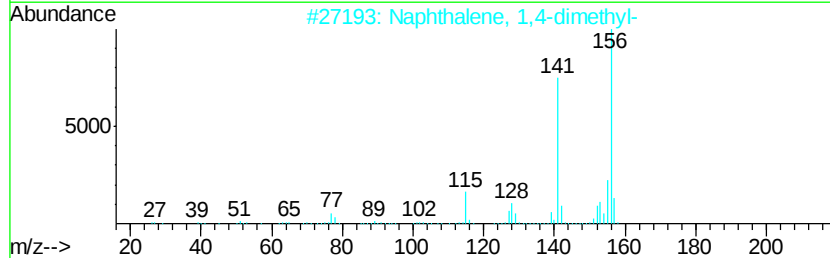
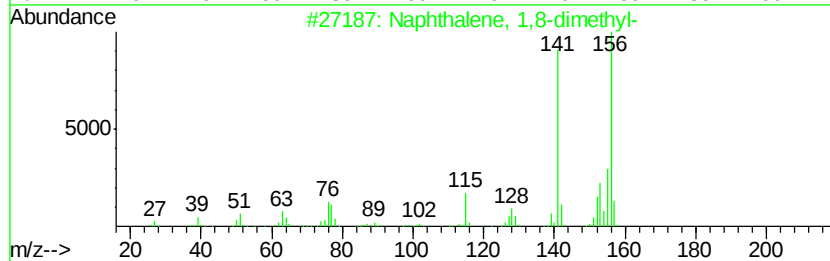
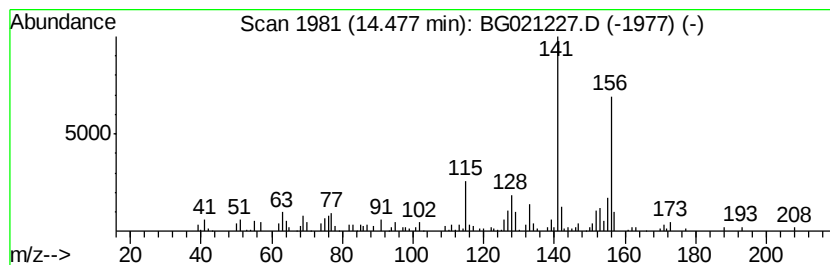
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,8-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	8.30 ng	88787	Acenaphthene-d10	14.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

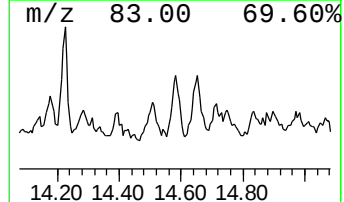
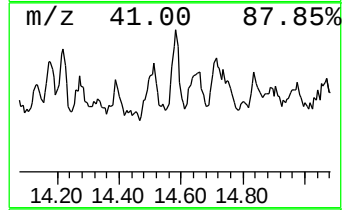
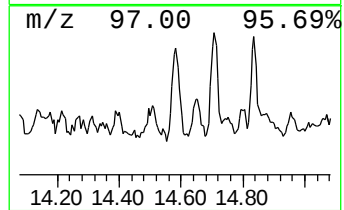
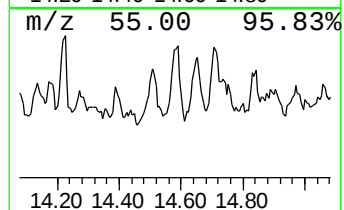
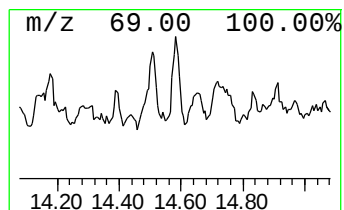
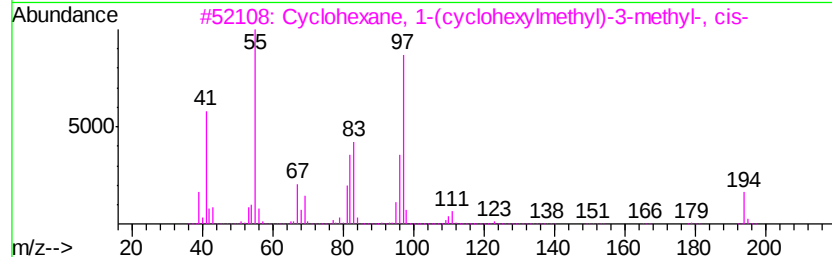
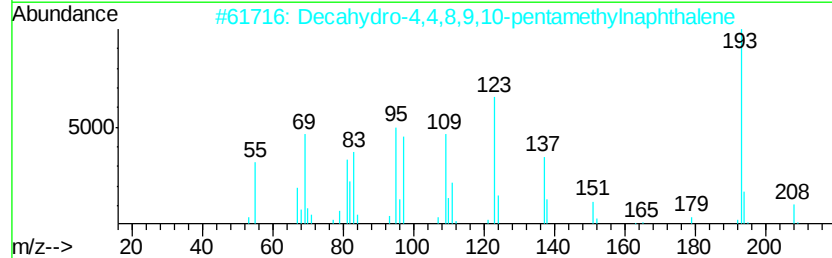
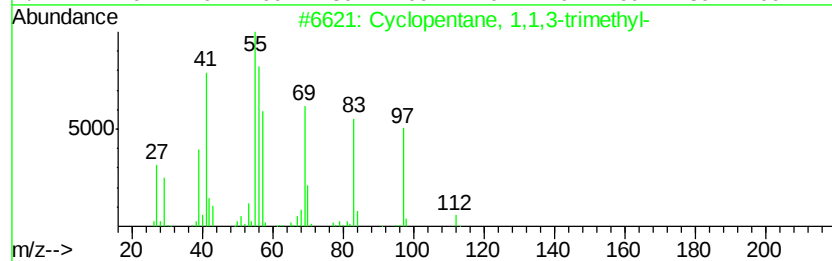
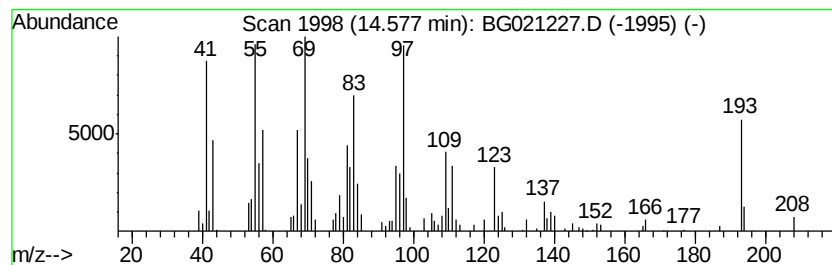
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.58 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.58	6.47 ng	69208	Acenaphthene-d10	14.75	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
2	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	38
3	Cvclohexane, 1-(cvclohexylmethyl...	194	C14H26	054823-96-0	25
4	Cvclohexane, 1-(cvclohexylmethyl...	194	C14H26	054823-97-1	18
5	2(1H)-Benzocyclooctenone, decahy...	194	C13H22O	055103-68-9	18



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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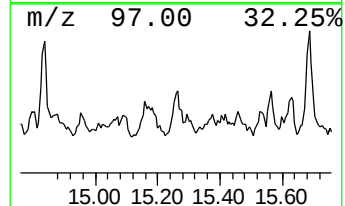
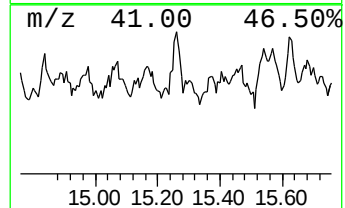
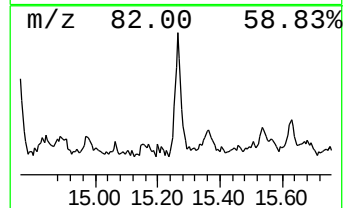
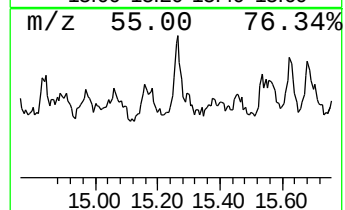
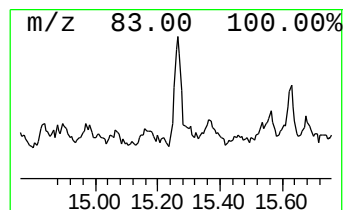
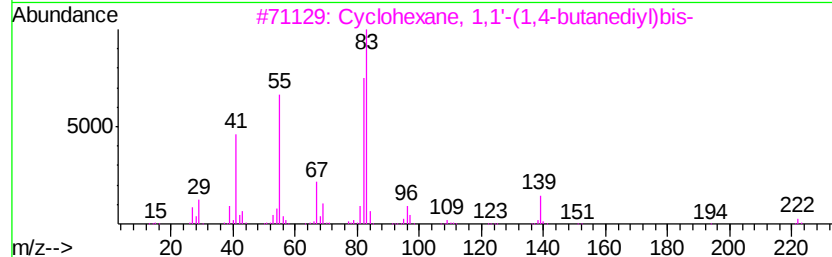
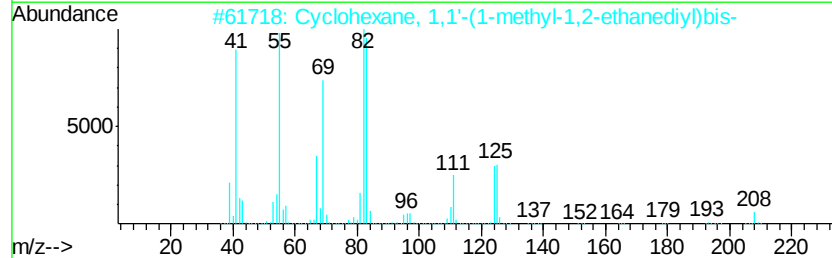
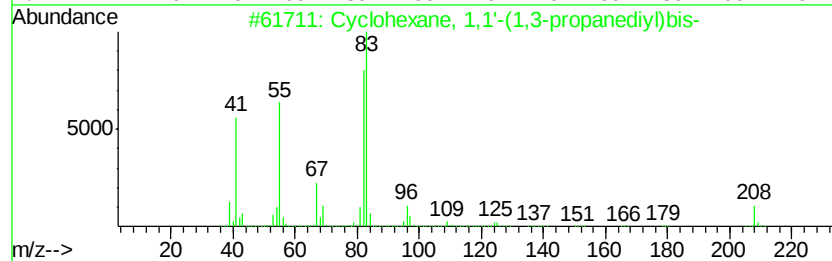
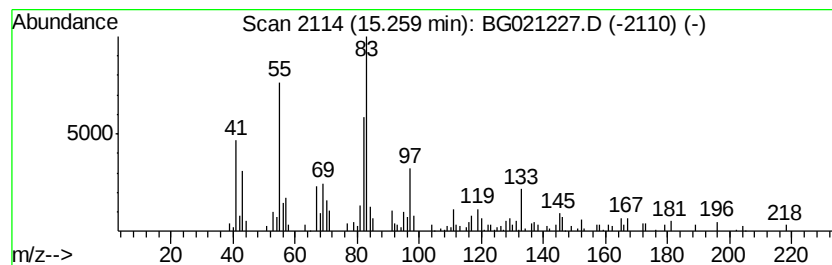
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclohexane, 1,1'-(1,3-prop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	7.69 ng	82331	Acenaphthene-d10	14.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	58
2			Cyclohexane, 1,1'-(1-methyl-1,2-...	208	C15H28	041851-34-7	58
3			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	50
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	49
5			n-Nonylcyclohexane	210	C15H30	002883-02-5	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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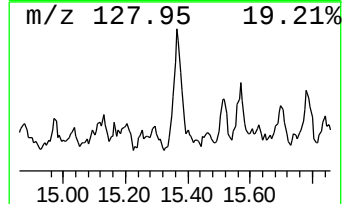
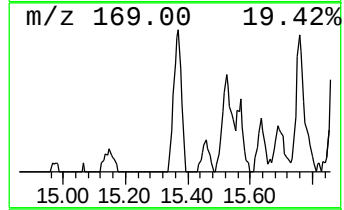
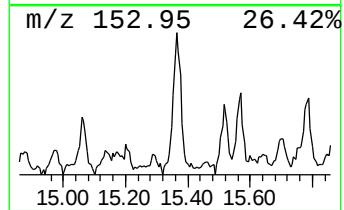
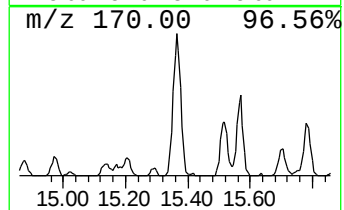
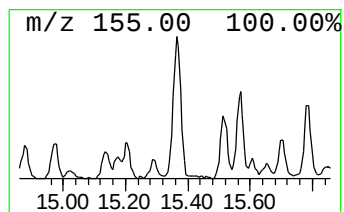
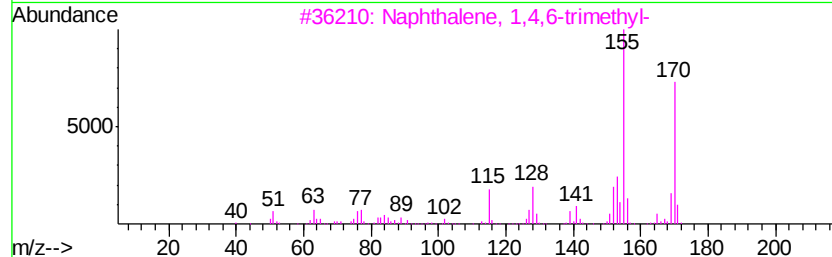
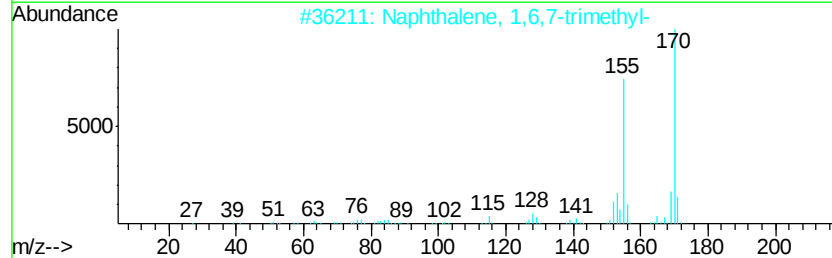
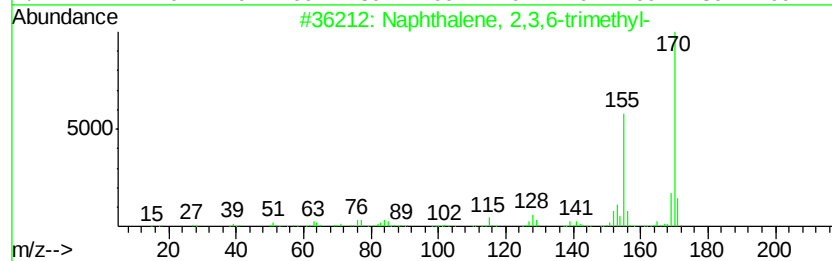
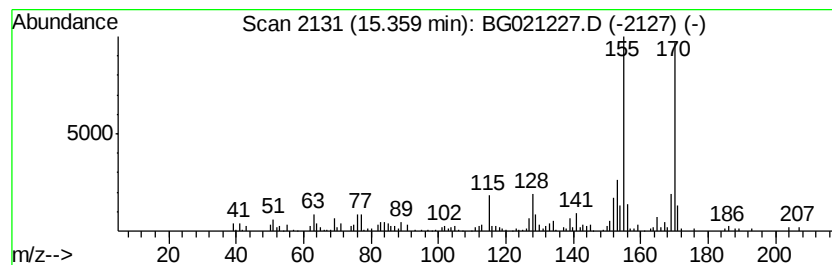
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	14.95 ng	160017	Acenaphthene-d10	14.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
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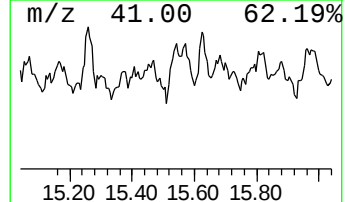
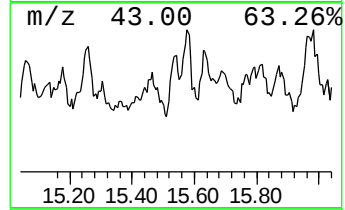
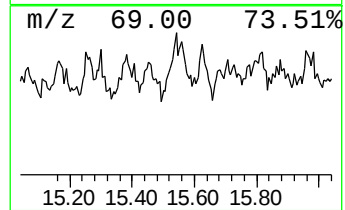
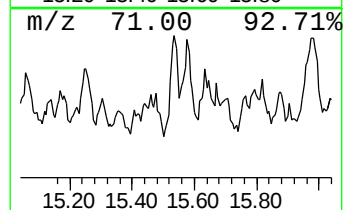
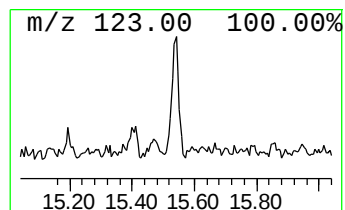
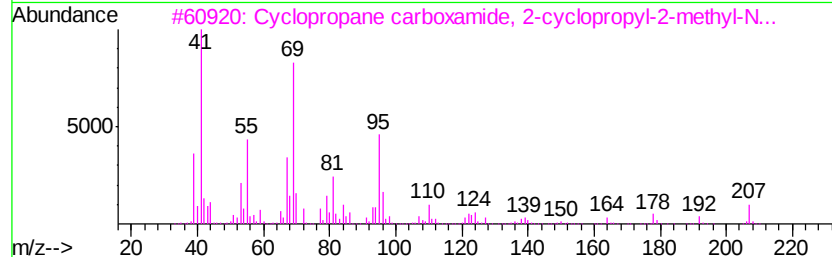
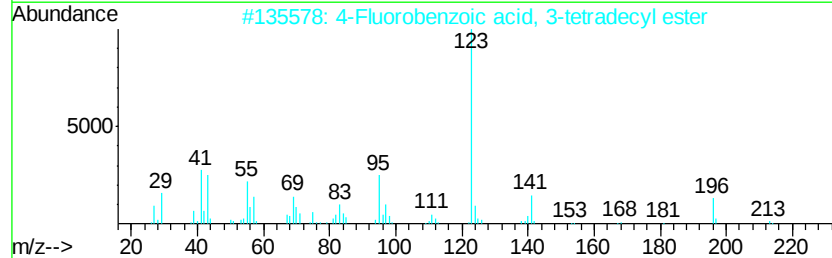
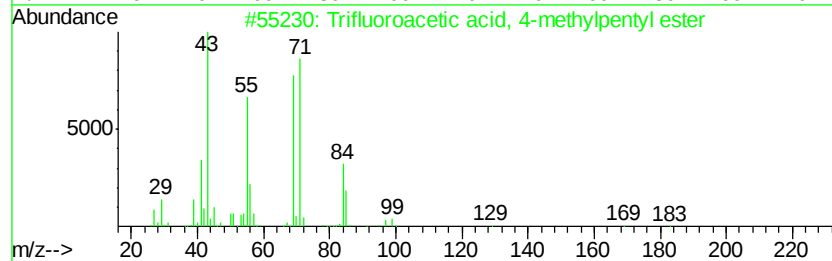
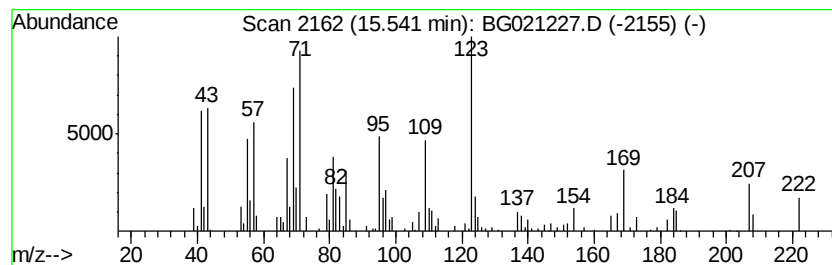
Instrument :
BNA_G
ClientSampleId :
WEST-1

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown15.54 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.54	5.74 ng	61463	Acenaphthene-d10	14.75	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, 4-methylpe...	198	C8H13F3O2	000327-71-9	27
2	4-Fluorobenzoic acid, 3-tetradec...	336	C21H33F02	1000280-68-1	22
3	Cyclopropane carboxamide, 2-cycl...	207	C13H21N0	331416-19-4	22
4	2,6-Octadienal, 3,7-dimethyl-, (Z)-	152	C10H16O	000106-26-3	22
5	Bicyclo[4.1.0]heptane-7-carboxam...	222	C11H14N2O5	329912-72-3	18



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
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Acq On : 3 Mar 2016 00:56
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Sample : H1640-01
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ClientSampleId :
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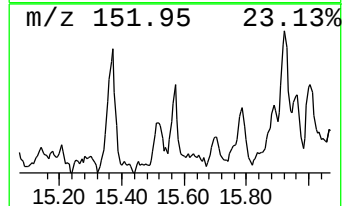
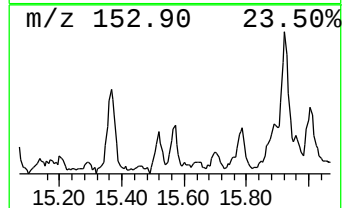
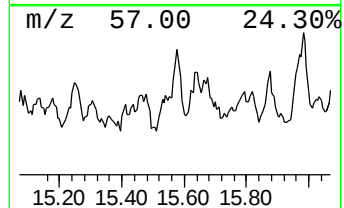
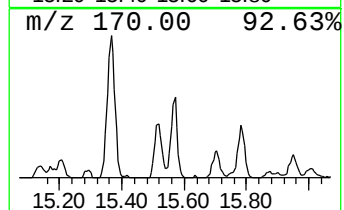
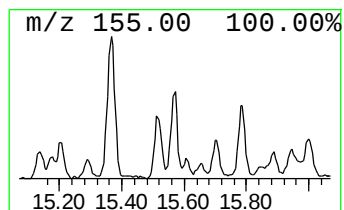
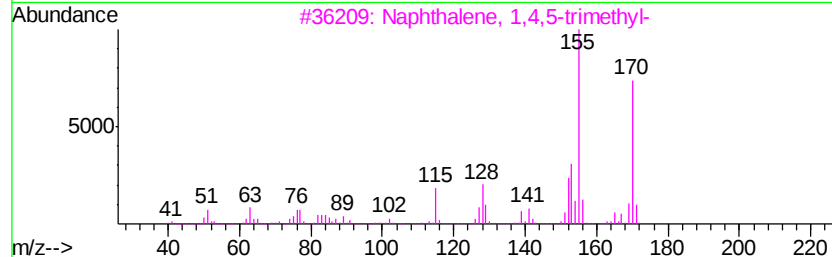
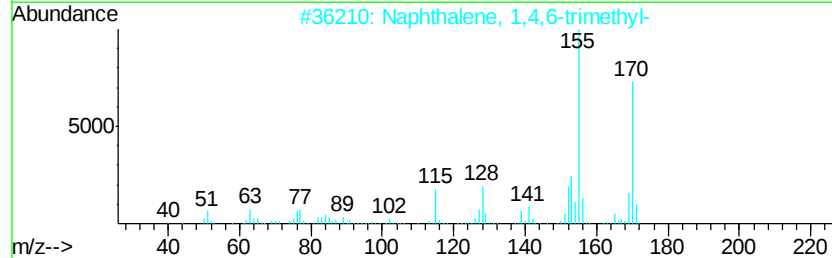
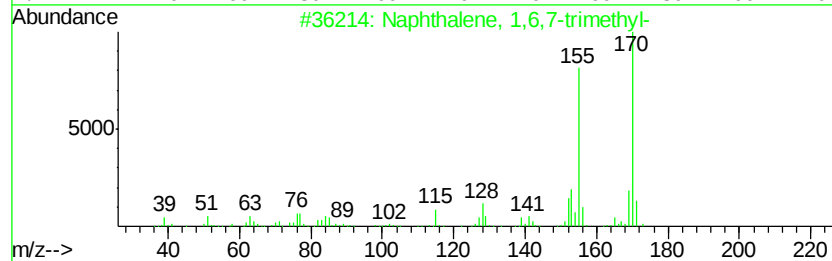
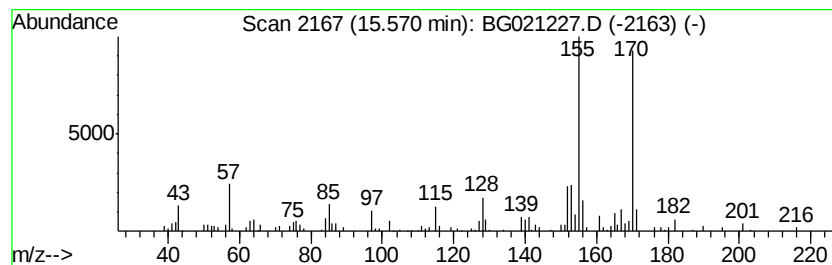
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	7.90 ng	84510	Acenaphthene-d10	14.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	81
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80
5		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021227.D
Acq On : 3 Mar 2016 00:56
Operator : UM/SJ
Sample : H1640-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WEST-1

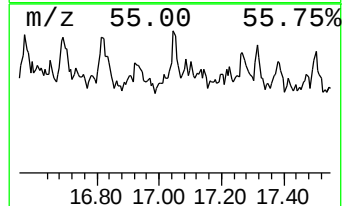
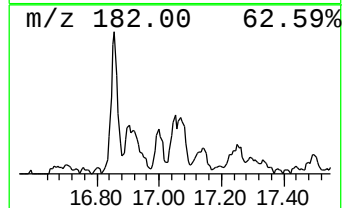
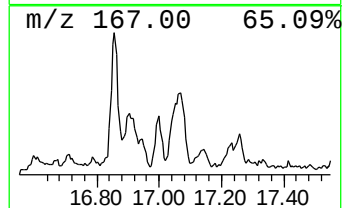
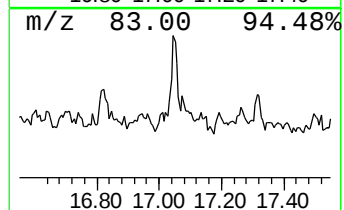
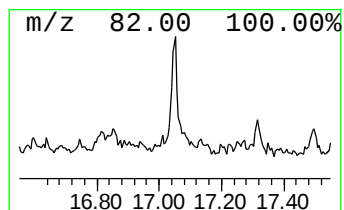
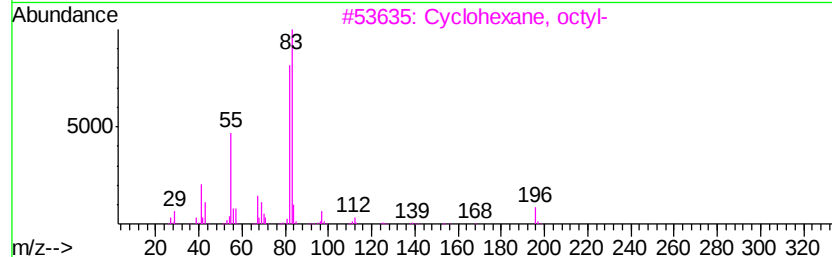
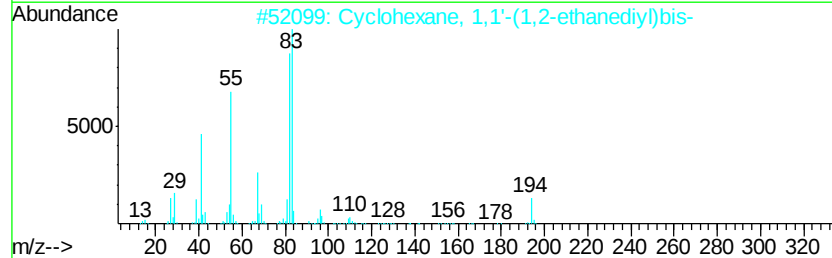
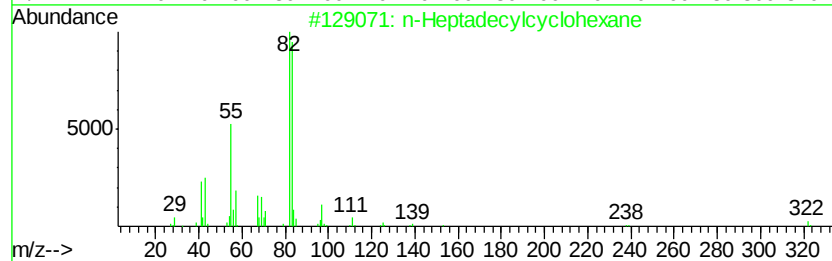
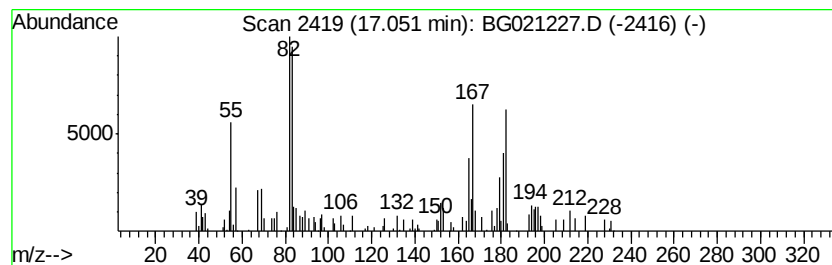
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.05 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	7.59 ng	83460	Phenanthrene-d10	17.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Heptadecylcyclohexane	322	C23H46	019781-73-8	38
2			Cyclohexane, 1,1'-(1,2-ethanediyl...	194	C14H26	003321-50-4	38
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	38
4			Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
5			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030216\
 Data File : BG021227.D
 Acq On : 3 Mar 2016 00:56
 Operator : UM/SJ
 Sample : H1640-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WEST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.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...	3.05	256.9	ng	904967	1	8.14	70444	20.0
2-Pentanone, 4-hy...	5.24	19.6	ng	68897	1	8.14	70444	20.0
unknown7.67	7.67	115.8	ng	407709	1	8.14	70444	20.0
Cyclodecene	8.98	5.7	ng	19986	1	8.14	70444	20.0
unknown9.24	9.24	9.0	ng	31699	1	8.14	70444	20.0
unknown9.41	9.41	6.7	ng	23539	1	8.14	70444	20.0
Dodecane, 2,7,10-...	11.09	9.5	ng	74779	2	10.95	157080	20.0
unknown11.16	11.16	5.4	ng	42181	2	10.95	157080	20.0
6-Tridecene, (Z)-	11.43	6.8	ng	53394	2	10.95	157080	20.0
6-Tridecene, 7-me...	12.22	6.4	ng	50593	2	10.95	157080	20.0
4-Heptafluorobuty...	13.55	9.3	ng	99565	3	14.75	214053	20.0
Naphthalene, 1,8-...	14.48	8.3	ng	88787	3	14.75	214053	20.0
unknown14.58	14.58	6.5	ng	69208	3	14.75	214053	20.0
Cyclohexane, 1,1'...	15.26	7.7	ng	82331	3	14.75	214053	20.0
Naphthalene, 2,3,...	15.36	14.9	ng	160017	3	14.75	214053	20.0
unknown15.54	15.54	5.7	ng	61463	3	14.75	214053	20.0
Naphthalene, 1,6,...	15.57	7.9	ng	84510	3	14.75	214053	20.0
unknown17.05	17.05	7.6	ng	83460	4	17.50	219879	20.0