

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
 Data File : BG023921.D
 Acq On : 26 Aug 2016 11:53
 Operator : UM/SJ
 Sample : H4592-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

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-BG080116.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	2.967	16	22	36	rBV	636556	1064954	12.31%	0.456%
2	3.966	184	192	202	rBV2	400528	931600	10.77%	0.399%
3	4.066	202	209	213	rBV	489517	898299	10.39%	0.384%
4	4.212	226	234	239	rBV3	355952	750455	8.68%	0.321%
5	5.564	459	464	469	rVV	1028227	1763488	20.39%	0.754%
6	5.628	469	475	482	rVV2	592287	1367671	15.81%	0.585%
7	5.716	482	490	502	rVB	1408317	2852483	32.98%	1.220%
8	6.069	542	550	558	rVB4	329083	847515	9.80%	0.363%
9	6.321	586	593	601	rBV3	348790	873149	10.09%	0.374%
10	6.539	624	630	638	rBV3	251934	827132	9.56%	0.354%
11	6.609	638	642	646	rVV2	465251	685975	7.93%	0.293%
12	6.697	652	657	669	rVB4	389733	1046975	12.10%	0.448%
13	7.050	712	717	722	rVV	1266335	2016739	23.32%	0.863%
14	7.103	722	726	731	rVB	704030	1046697	12.10%	0.448%
15	7.220	739	746	751	rVV	2173183	3892618	45.00%	1.665%
16	7.297	754	759	765	rVB	1191433	2069602	23.93%	0.885%
17	7.467	781	788	794	rBV	2140905	3579365	41.38%	1.531%
18	7.625	810	815	821	rVB2	724799	1341737	15.51%	0.574%
19	7.725	827	832	840	rVB	1426765	2361671	27.30%	1.010%
20	7.984	866	876	881	rBV7	371068	1070859	12.38%	0.458%
21	8.048	881	887	891	rVV	1281704	1916840	22.16%	0.820%
22	8.142	898	903	907	rVB4	381536	710148	8.21%	0.304%
23	8.201	907	913	919	rBV	3305228	5962592	68.94%	2.551%
24	8.325	927	934	937	rBV2	404889	935116	10.81%	0.400%
25	8.366	937	941	945	rVV3	634053	1101177	12.73%	0.471%
26	8.419	945	950	954	rVV2	647298	1196601	13.83%	0.512%
27	8.466	954	958	967	rVB	1313789	2276338	26.32%	0.974%
28	8.577	972	977	980	rBV	1122635	2012940	23.27%	0.861%
29	8.659	988	991	997	rVB2	937454	1576281	18.22%	0.674%
30	8.730	997	1003	1010	rBV3	2852689	5582106	64.54%	2.388%
31	8.841	1016	1022	1027	rBV	1122888	1922601	22.23%	0.823%
32	8.894	1027	1031	1035	rVV	786959	1197303	13.84%	0.512%
33	9.047	1051	1057	1062	rBV	1098830	1961738	22.68%	0.839%
34	9.100	1062	1066	1072	rVB2	520412	970099	11.22%	0.415%

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35	9.200	1078	1083	1091	rVB2	3352742	5884253	68.03%	2.517%
36	9.288	1091	1098	1106	rVB5	1837255	3985161	46.07%	1.705%
37	9.405	1113	1118	1120	rBV3	463940	809541	9.36%	0.346%
38	9.447	1120	1125	1133	rVB4	825644	1845430	21.34%	0.789%
39	9.541	1134	1141	1155	rBV6	1135300	3393656	39.24%	1.452%
40	9.664	1155	1162	1168	rBV6	356974	893812	10.33%	0.382%
41	9.734	1168	1174	1179	rBV	2322769	3819906	44.16%	1.634%
42	9.793	1179	1184	1193	rBV	2096730	4046720	46.79%	1.731%
43	9.987	1206	1217	1220	rBV2	784440	2042924	23.62%	0.874%
44	10.028	1220	1224	1229	rVV3	1319900	2525661	29.20%	1.080%
45	10.099	1229	1236	1241	rVV5	1145753	3237972	37.44%	1.385%
46	10.163	1241	1247	1255	rVV4	1984074	4932738	57.03%	2.110%
47	10.240	1255	1260	1266	rVV2	1243682	2300389	26.60%	0.984%
48	10.316	1266	1273	1279	rVV2	4360431	8649451	100.00%	3.700%
49	10.375	1279	1283	1287	rVV2	1149875	2085970	24.12%	0.892%
50	10.422	1287	1291	1296	rVV	1456529	2504335	28.95%	1.071%
51	10.492	1296	1303	1309	rVV5	1110876	2790931	32.27%	1.194%
52	10.551	1309	1313	1318	rVV	739830	1198451	13.86%	0.513%
53	10.616	1318	1324	1331	rVB2	1095774	2400510	27.75%	1.027%
54	10.804	1352	1356	1359	rBV3	442966	689006	7.97%	0.295%
55	10.898	1364	1372	1375	rBV4	1076422	2686540	31.06%	1.149%
56	10.980	1381	1386	1391	rVB3	2273996	4186642	48.40%	1.791%
57	11.062	1391	1400	1406	rVB2	3583349	7779960	89.95%	3.328%
58	11.133	1406	1412	1418	rBV3	1270747	2549972	29.48%	1.091%
59	11.185	1418	1421	1431	rVB5	499461	1080903	12.50%	0.462%
60	11.291	1431	1439	1442	rBV5	660344	1432793	16.57%	0.613%
61	11.397	1452	1457	1464	rVB4	938818	2174610	25.14%	0.930%
62	11.614	1485	1494	1501	rBV7	1458871	4197929	48.53%	1.796%
63	11.743	1511	1516	1525	rBV6	1454395	2689892	31.10%	1.151%
64	11.826	1525	1530	1538	rVB3	1759893	4152567	48.01%	1.776%
65	11.931	1539	1548	1552	rBV	4460992	7815519	90.36%	3.344%
66	11.973	1552	1555	1559	rVV3	985954	1578376	18.25%	0.675%
67	12.025	1560	1564	1570	rVB2	752934	1515688	17.52%	0.648%
68	12.119	1575	1580	1586	rBV5	1090905	2009669	23.23%	0.860%
69	12.196	1586	1593	1597	rBV6	587331	1344730	15.55%	0.575%
70	12.313	1609	1613	1619	rBV5	690549	1580585	18.27%	0.676%
71	12.542	1646	1652	1656	rVB2	1249999	2144528	24.79%	0.917%

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72	12.589	1656	1660	1666	rVB	1703829	2767595	32.00%	1.184%
73	12.807	1692	1697	1706	rVB3	2162753	4226989	48.87%	1.808%
74	12.954	1717	1722	1725	rBV2	1203046	1927993	22.29%	0.825%
75	13.059	1737	1740	1743	rVB	891854	1032194	11.93%	0.442%
76	13.130	1749	1752	1758	rVB2	909285	1439775	16.65%	0.616%
77	13.218	1763	1767	1771	rVV2	1105355	1592030	18.41%	0.681%
78	13.271	1771	1776	1785	rVB	3738682	5832822	67.44%	2.495%
79	13.382	1790	1795	1799	rVB	1607070	2443645	28.25%	1.045%
80	13.541	1818	1822	1825	rBV4	697064	1277571	14.77%	0.547%
81	13.794	1862	1865	1873	rVB5	595846	1025234	11.85%	0.439%
82	14.081	1909	1914	1919	rBV3	1221702	2230201	25.78%	0.954%
83	14.134	1919	1923	1927	rVB3	1202568	1778028	20.56%	0.761%
84	14.217	1927	1937	1941	rBV3	4169796	7687747	88.88%	3.289%
85	14.264	1941	1945	1951	rVB2	842419	1554163	17.97%	0.665%
86	14.334	1952	1957	1964	rVB3	709648	1166894	13.49%	0.499%
87	14.587	1995	2000	2004	rVB3	568122	938418	10.85%	0.401%
88	14.710	2016	2021	2026	rBV7	514010	1372216	15.86%	0.587%
89	14.769	2027	2031	2036	rVV2	1127817	1929865	22.31%	0.826%
90	14.968	2061	2065	2074	rVB3	544247	1088913	12.59%	0.466%
91	15.245	2107	2112	2120	rBV8	643498	1791447	20.71%	0.766%
92	15.386	2131	2136	2141	rBV7	343000	702633	8.12%	0.301%
93	15.991	2233	2239	2243	rVB	830965	1367536	15.81%	0.585%
94	16.267	2281	2286	2294	rBV	1165691	1795631	20.76%	0.768%
95	16.472	2314	2321	2326	rBV	1042931	1776792	20.54%	0.760%
96	17.530	2496	2501	2507	rBV2	1314967	2059901	23.82%	0.881%
97	18.405	2645	2650	2656	rBV2	598181	860177	9.94%	0.368%
98	20.138	2939	2945	2951	rVB	2989354	3856789	44.59%	1.650%
99	21.842	3229	3235	3243	rBV	1364794	2374673	27.45%	1.016%
100	25.225	3800	3811	3823	rVB2	755066	2284275	26.41%	0.977%

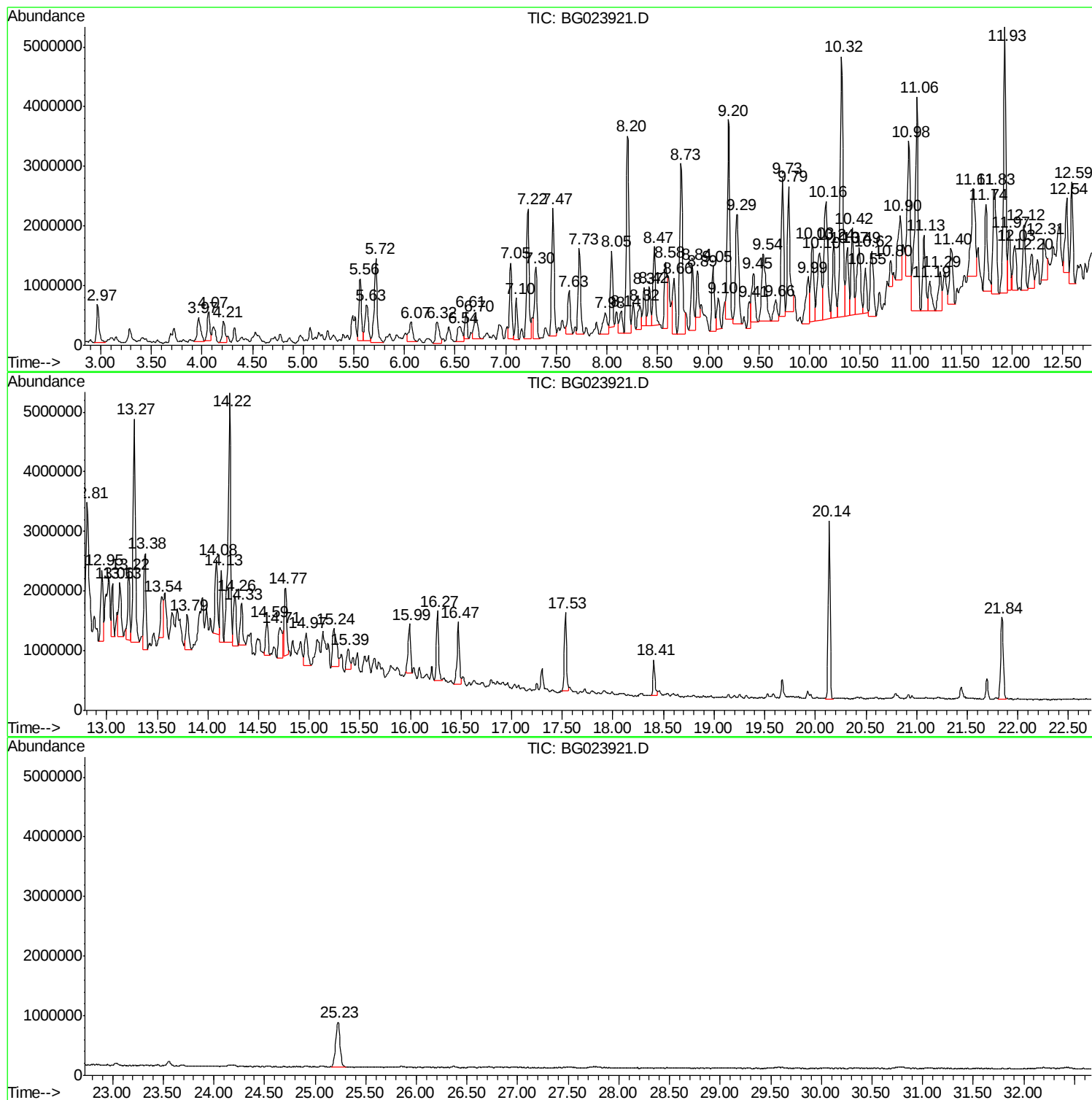
Sum of corrected areas: 233750731

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Instrument :
BNA_G
ClientSampled :
MW-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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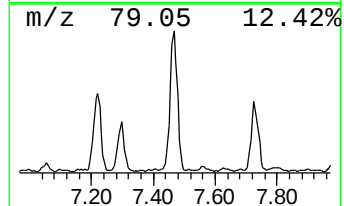
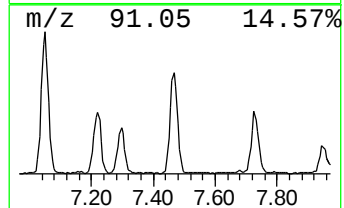
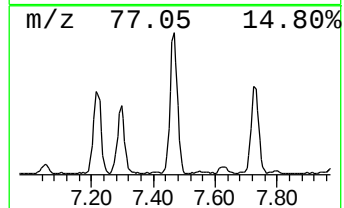
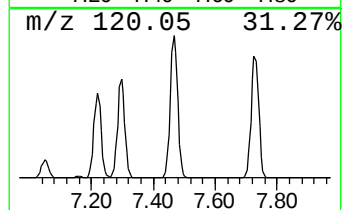
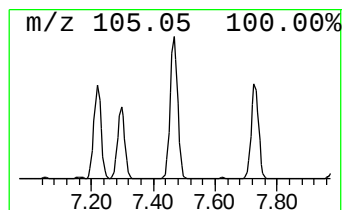
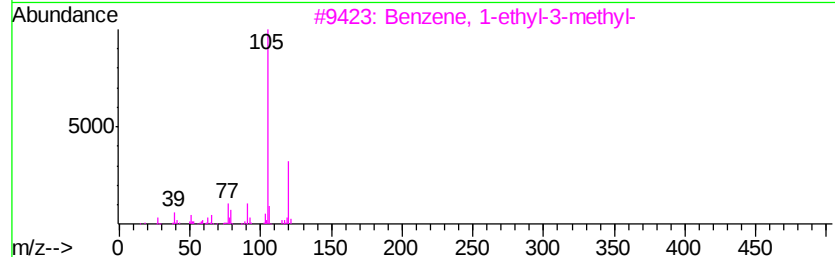
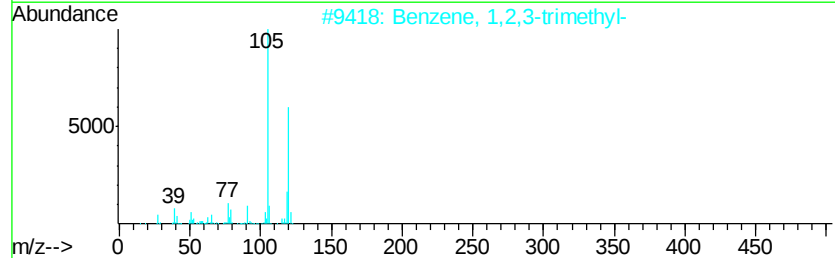
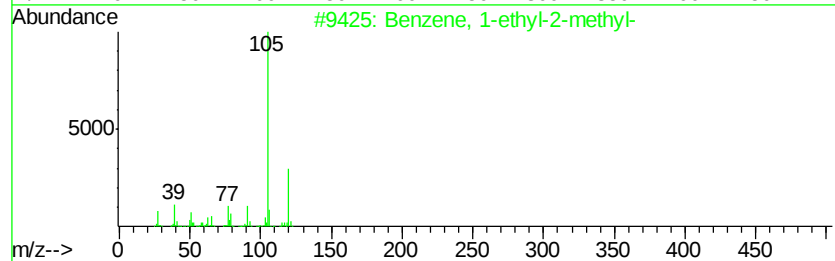
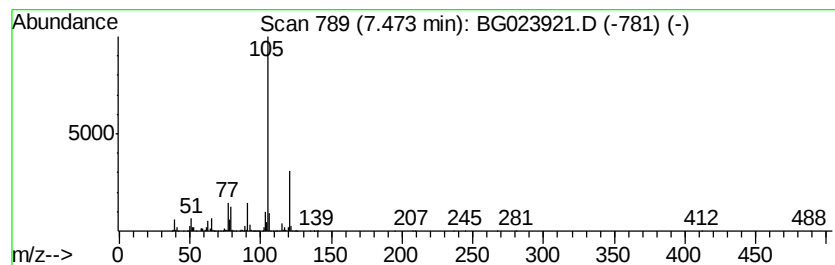
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	37.35 ng	3579370	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



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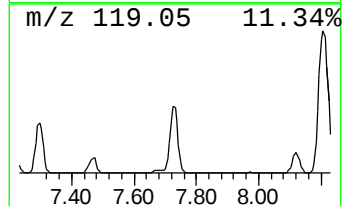
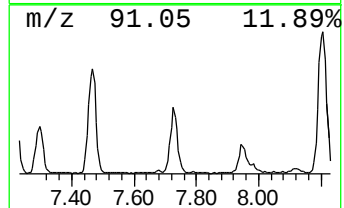
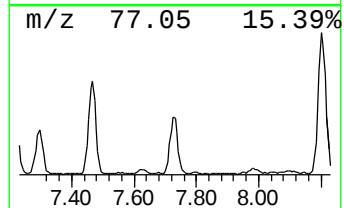
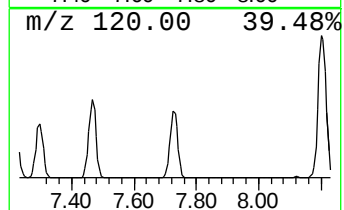
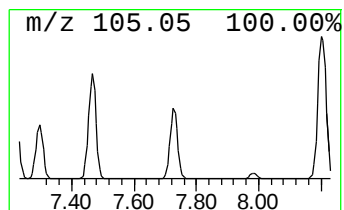
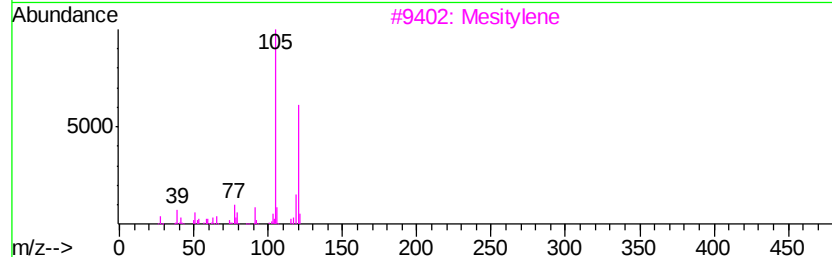
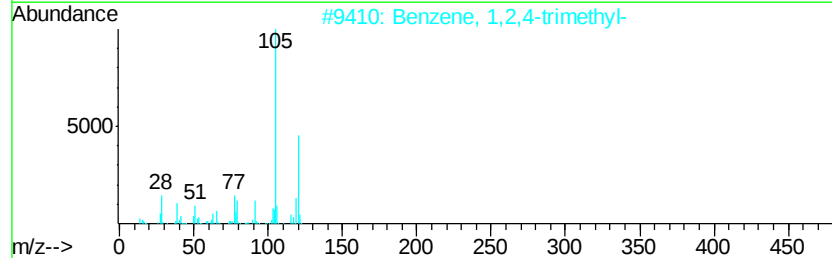
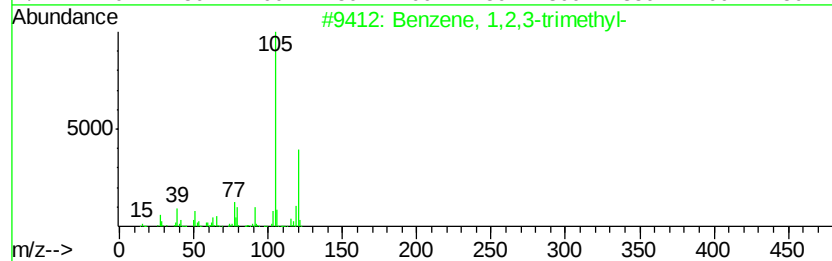
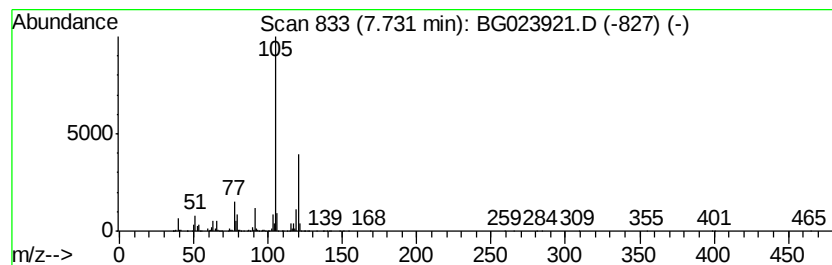
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	24.64 ng	2361670	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



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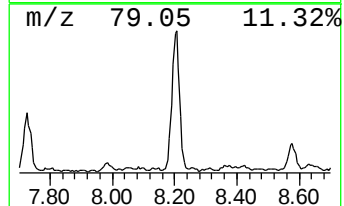
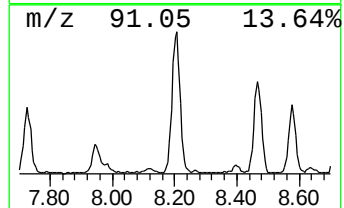
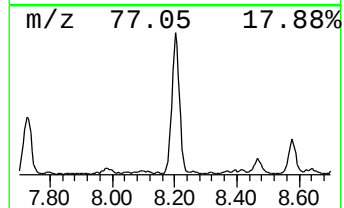
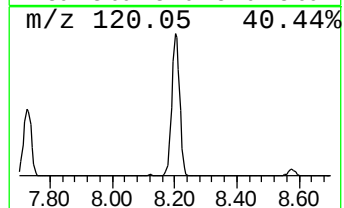
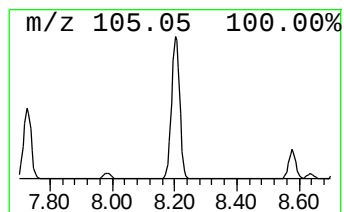
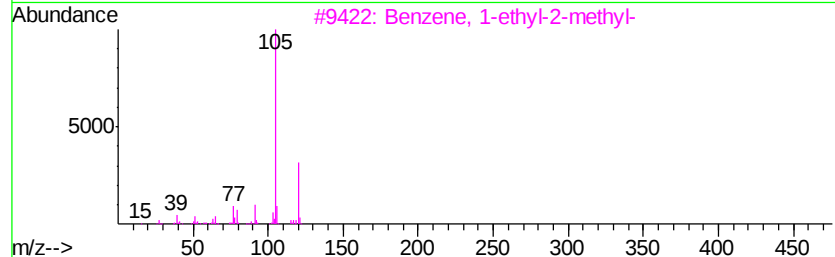
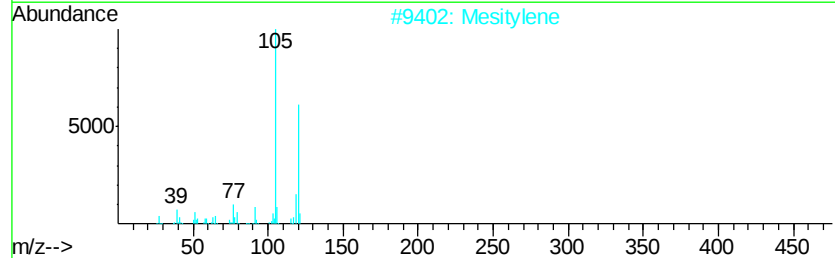
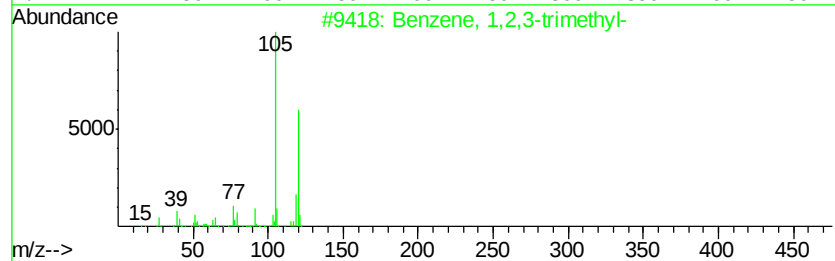
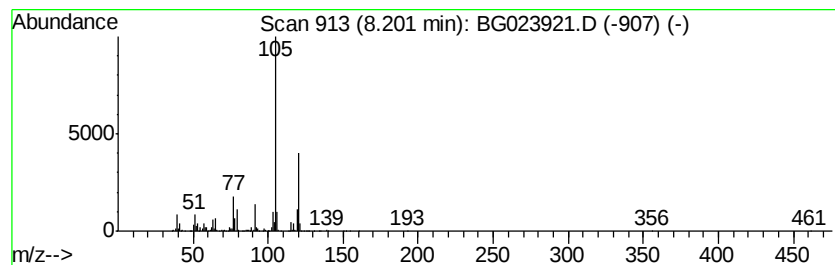
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	62.21 ng	5962590	1,4-Dichlorobenzene-d4	8.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	96
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

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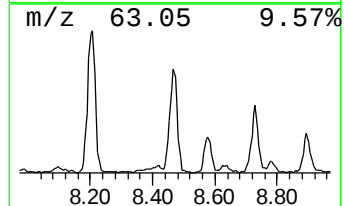
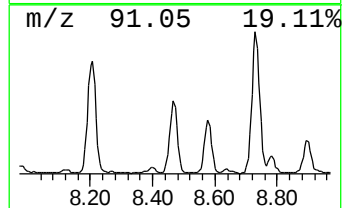
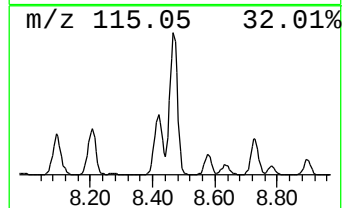
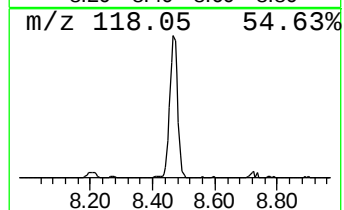
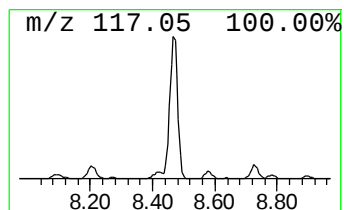
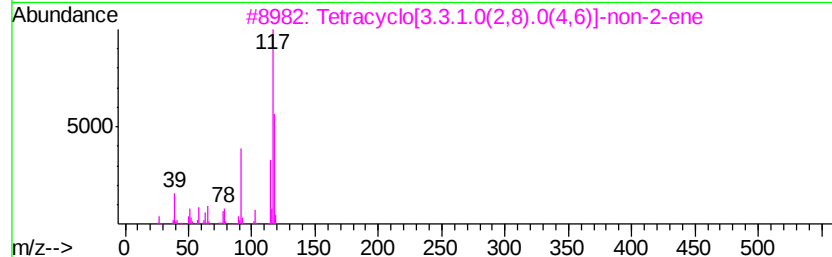
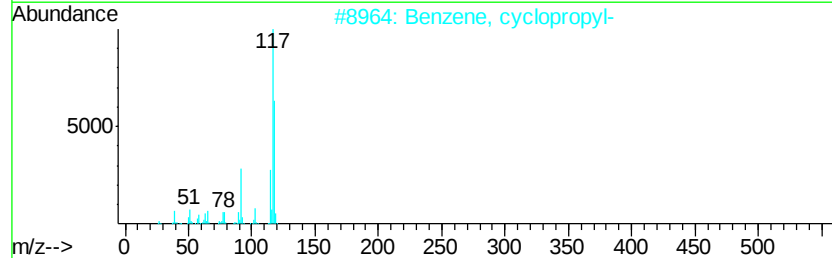
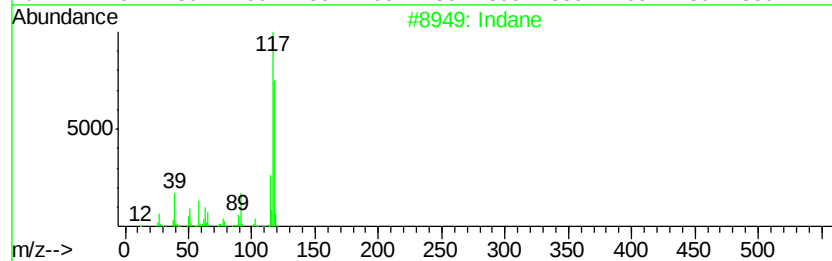
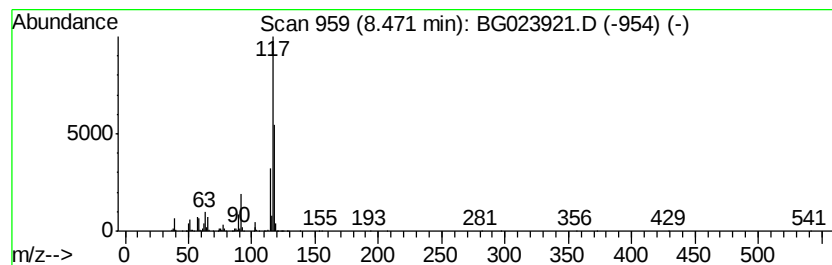
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	23.75 ng	2276340	1,4-Dichlorobenzene-d4	8.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-		118	C9H10	000873-49-4	76
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...		118	C9H10	1000191-13-7	64
4	Deltacyclene		118	C9H10	007785-10-6	64
5	Benzene, 2-propenyl-		118	C9H10	000300-57-2	55



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
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Misc :
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ClientSampleId :
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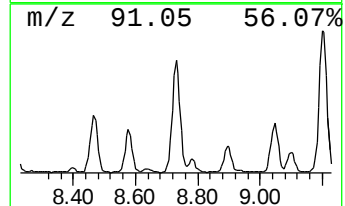
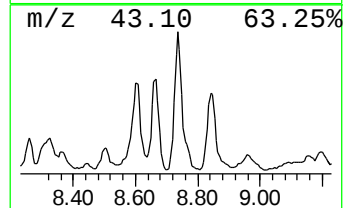
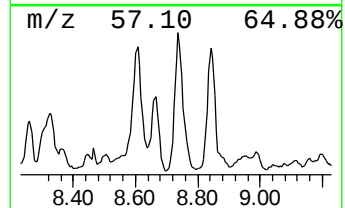
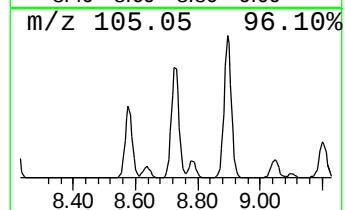
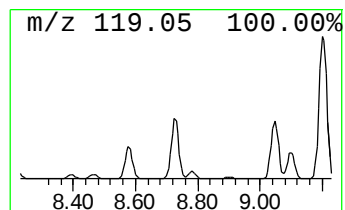
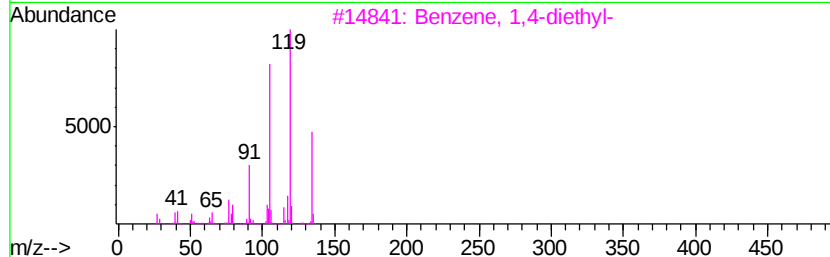
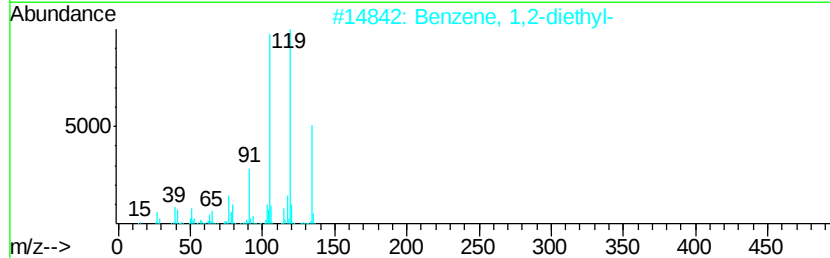
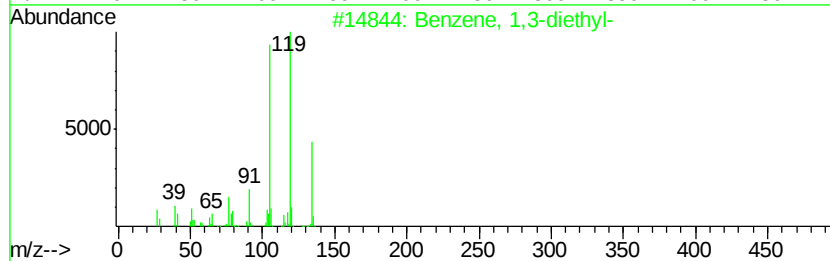
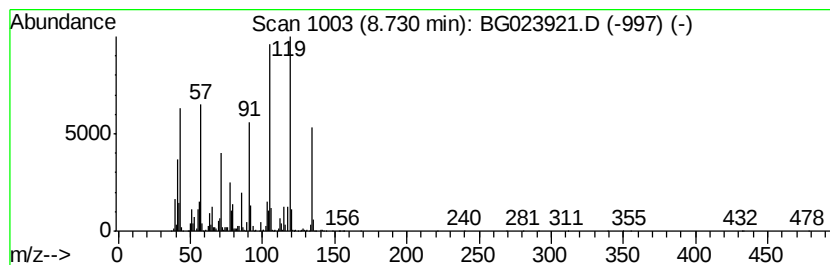
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	58.24 ng	5582110	1,4-Dichlorobenzene-d4	8.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
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Sample : H4592-09
Misc :
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ClientSampleId :
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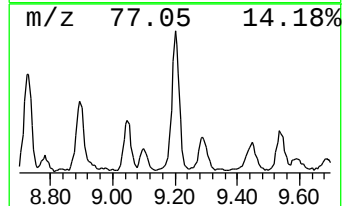
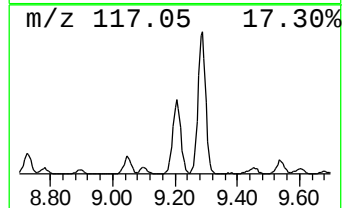
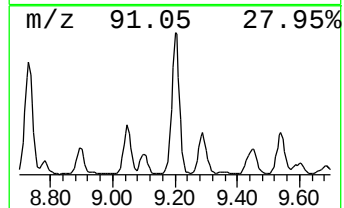
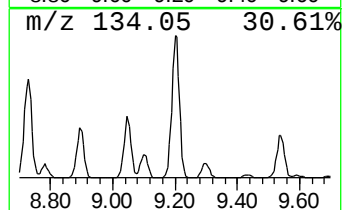
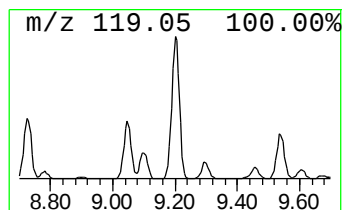
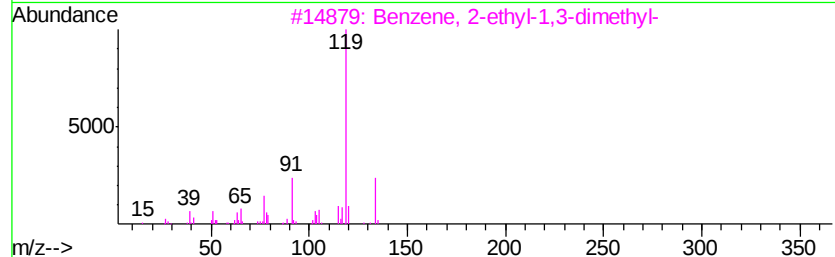
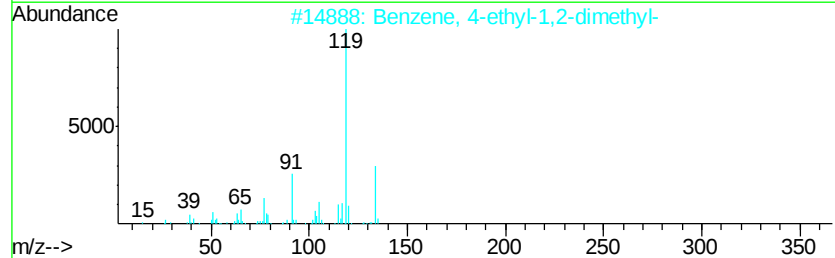
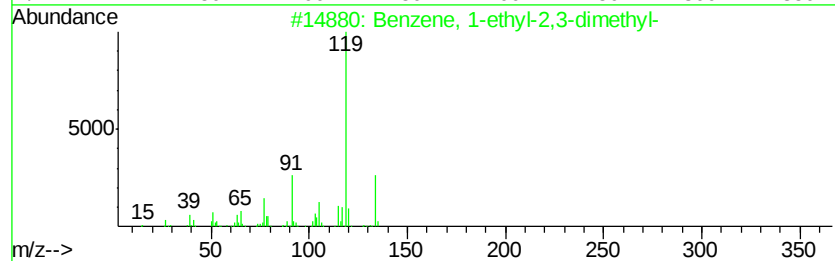
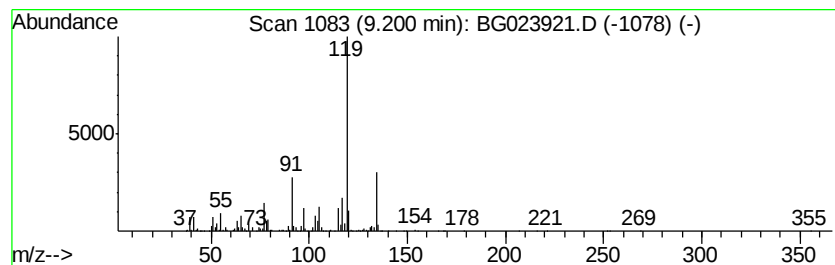
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	61.40 ng	5884250	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		o-Cymene	134	C10H14	000527-84-4	93
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
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Sample : H4592-09
Misc :
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Instrument :
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ClientSampleId :
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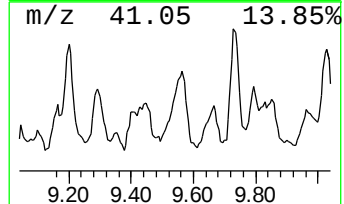
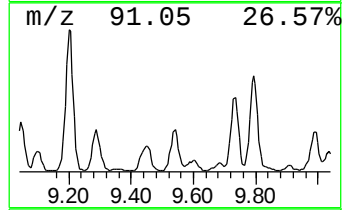
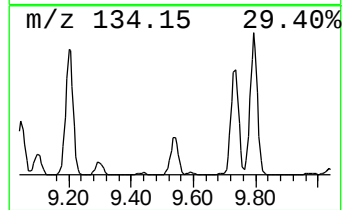
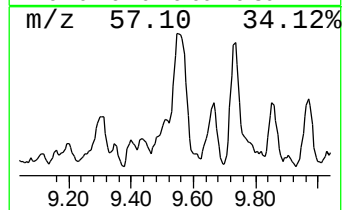
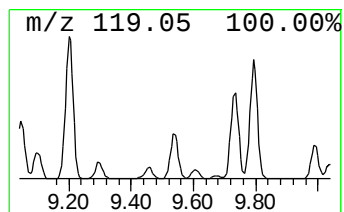
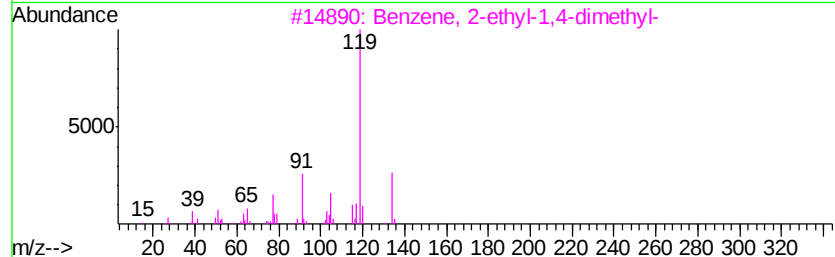
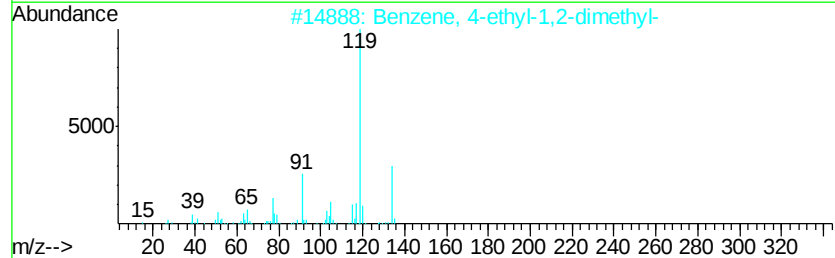
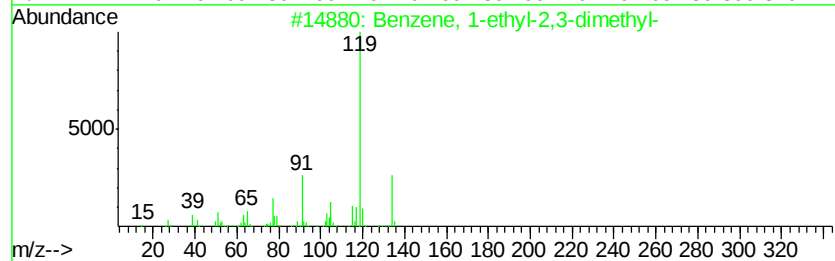
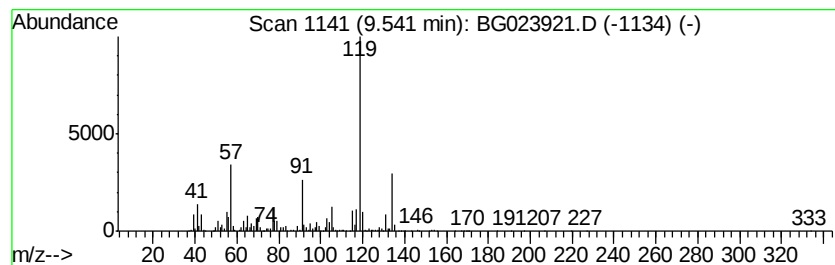
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	25.26 ng	3393660	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5		o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
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Instrument :
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ClientSampleId :
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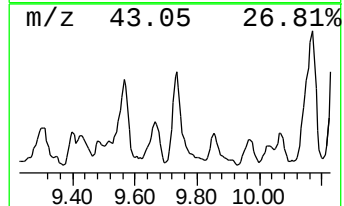
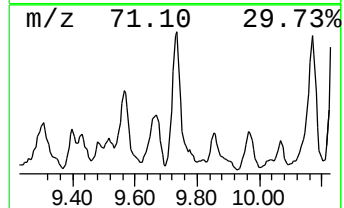
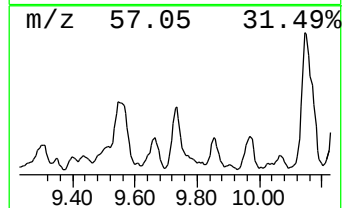
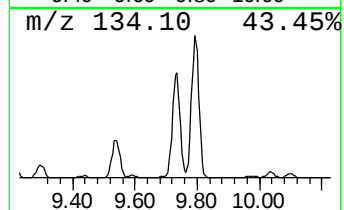
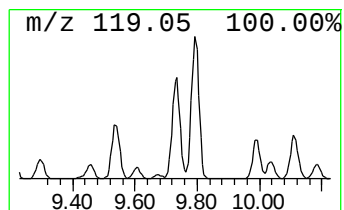
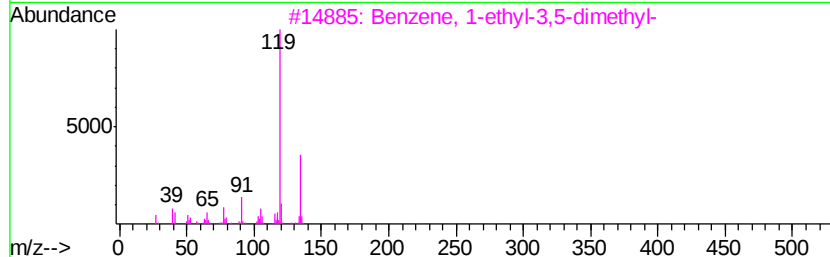
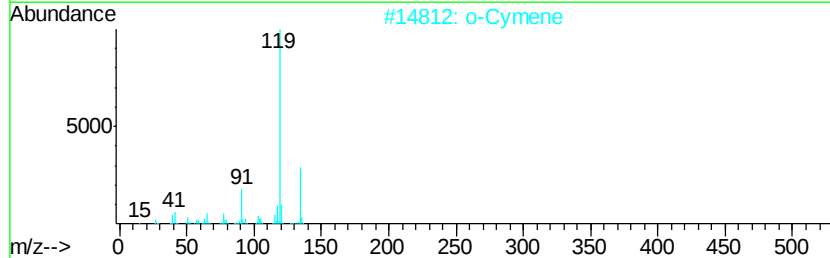
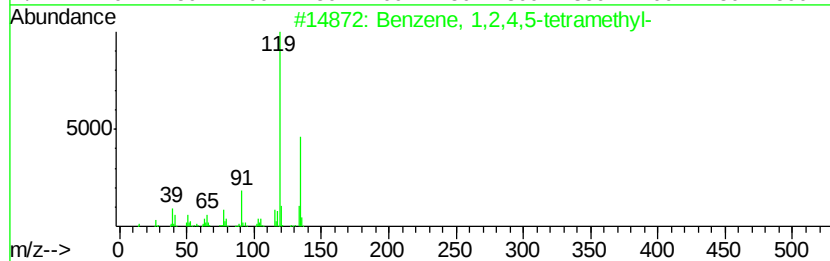
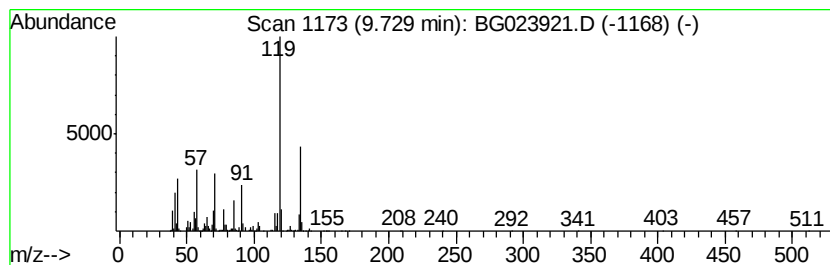
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	28.44 ng	3819910	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
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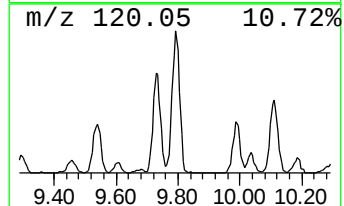
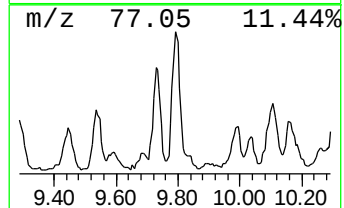
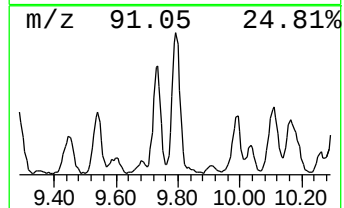
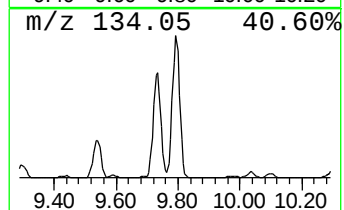
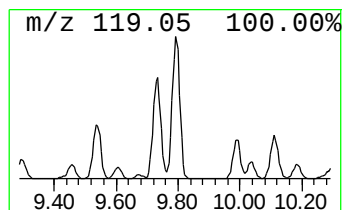
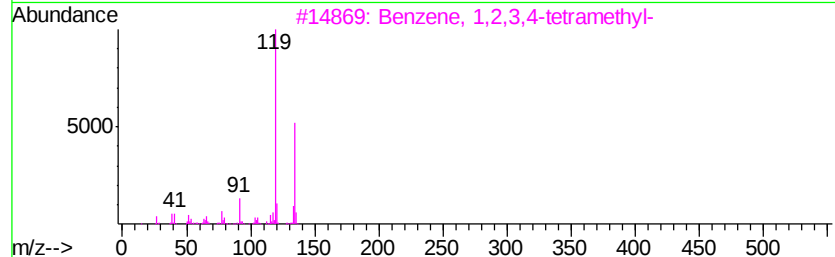
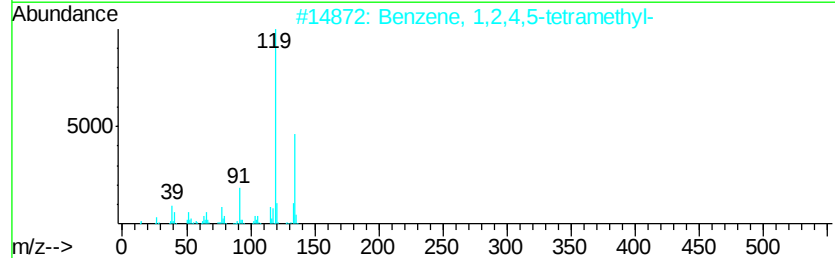
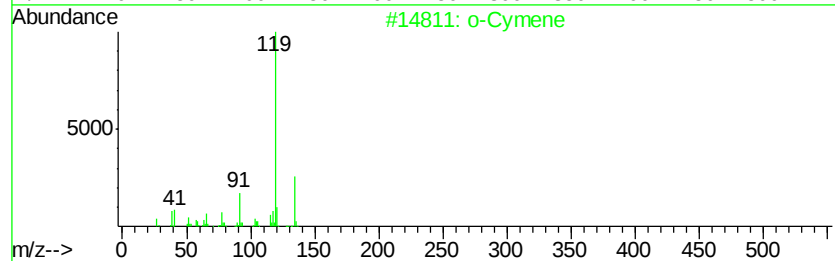
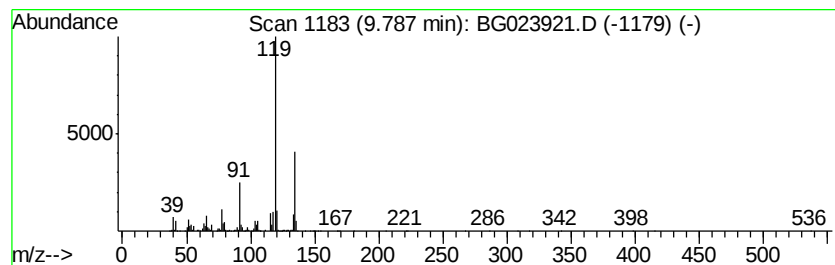
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	30.13 ng	4046720	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
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Acq On : 26 Aug 2016 11:53
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ALS Vial : 23 Sample Multiplier: 1

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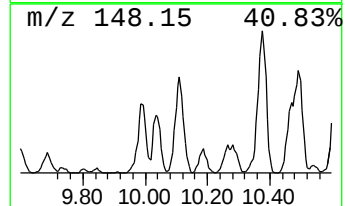
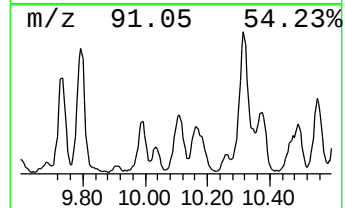
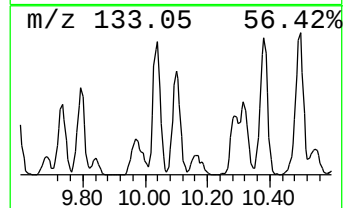
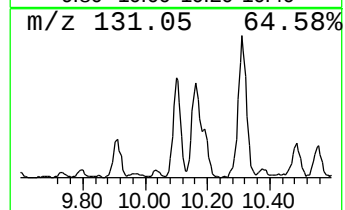
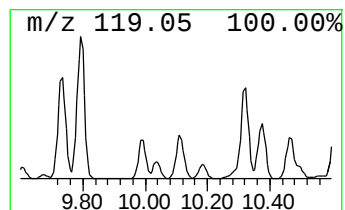
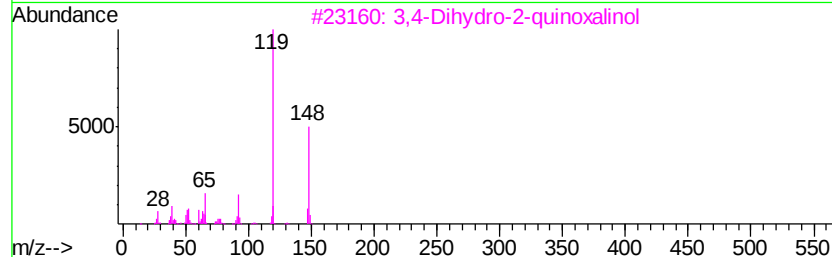
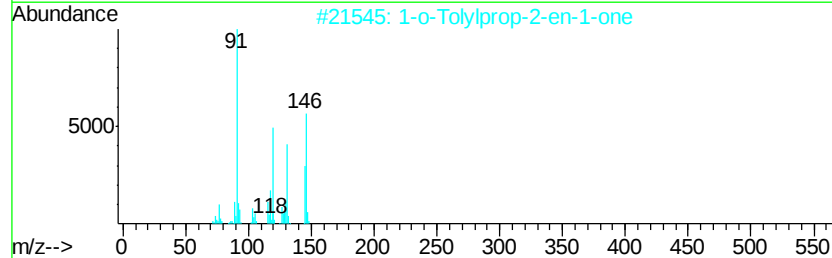
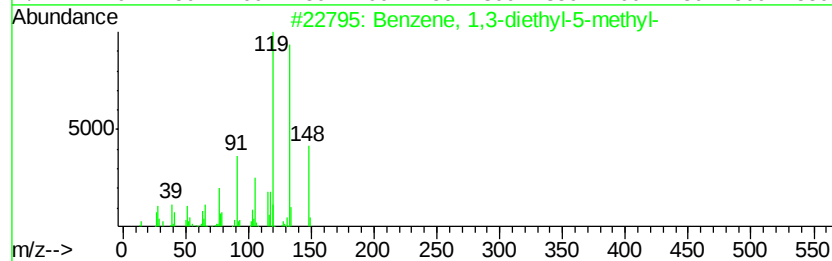
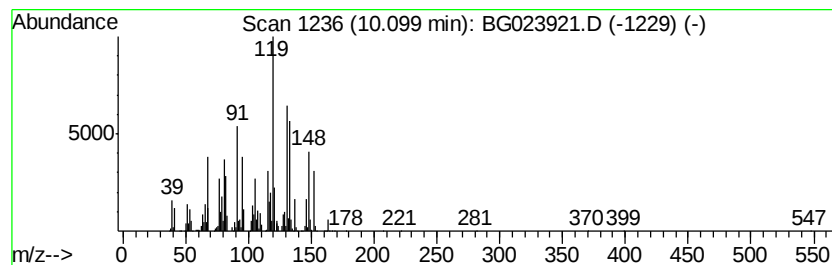
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown10.10 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	24.11 ng	3237970	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	41
2		1-o-Tolylprop-2-en-1-one	146	C10H10O	039627-60-6	41
3		3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	30
4		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	30
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

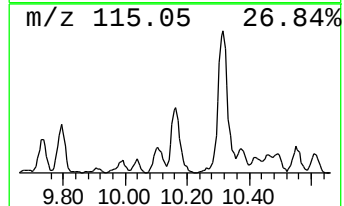
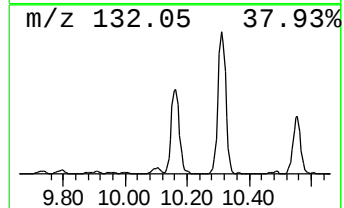
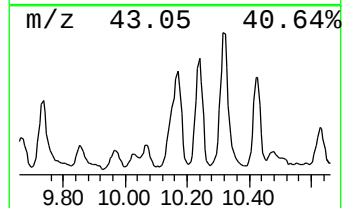
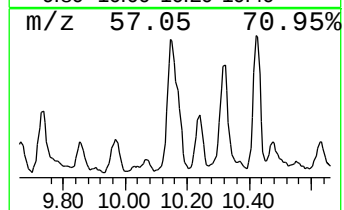
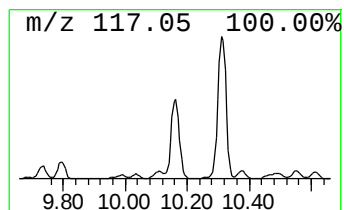
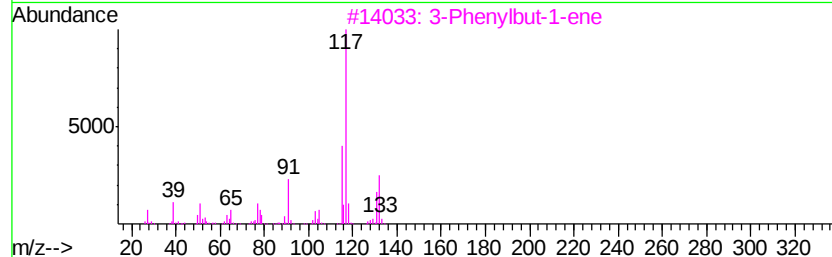
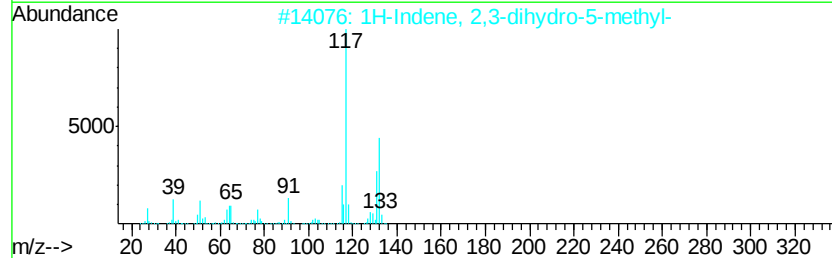
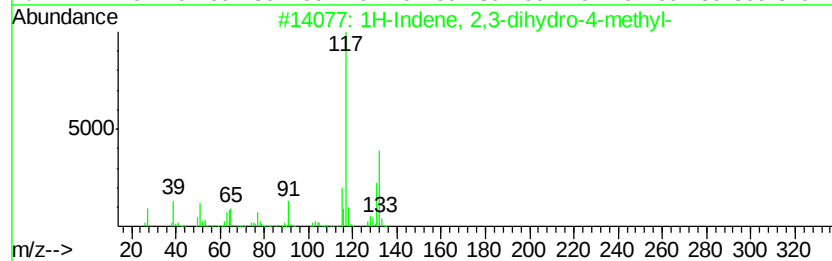
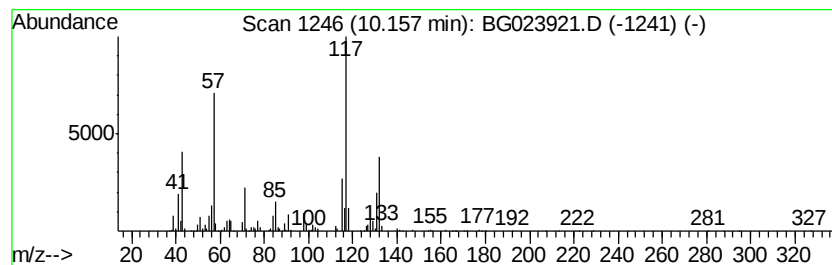
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	36.72 ng	4932740	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	58



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

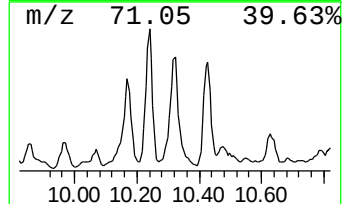
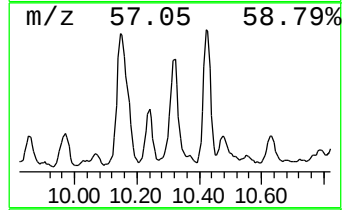
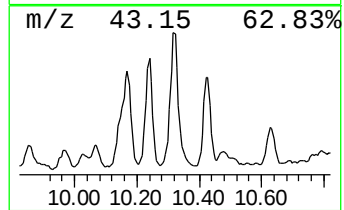
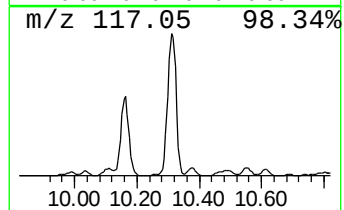
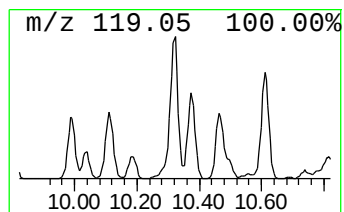
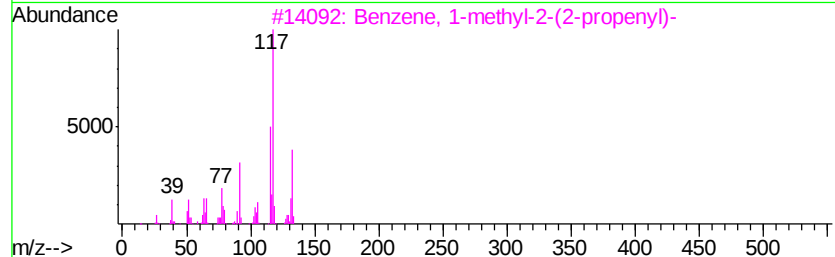
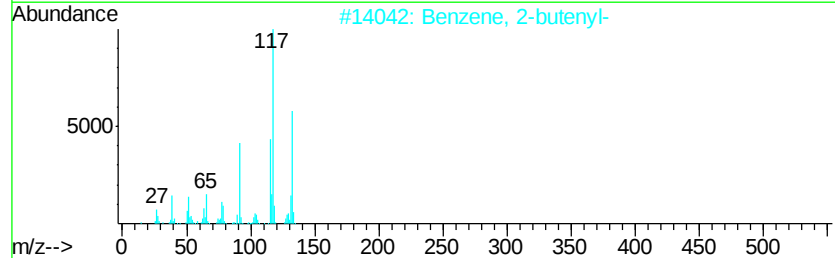
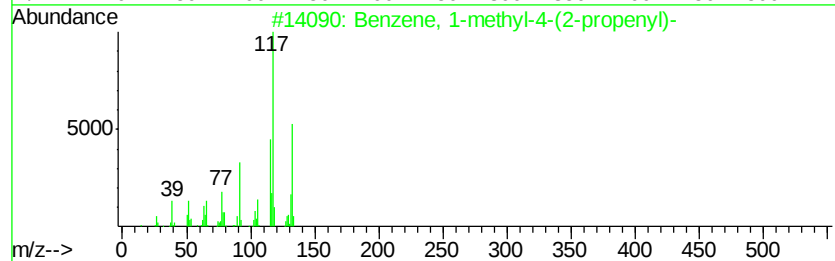
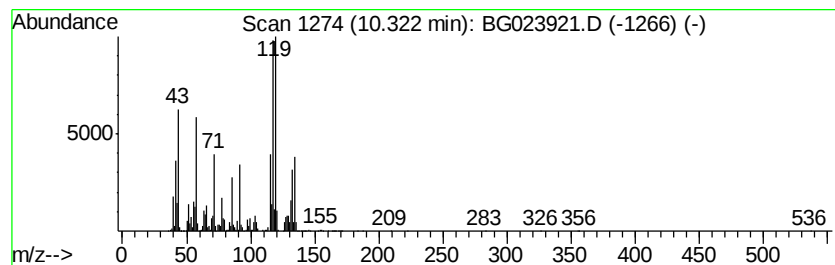
Instrument :
BNA_G
ClientSampleId :
MW-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzene, 1-methyl-4-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.32	64.39 ng	8649450	Naphthalene-d8	10.93		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	89
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	52
4		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	50
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

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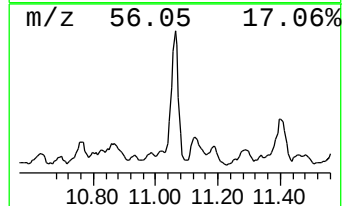
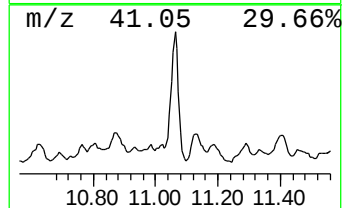
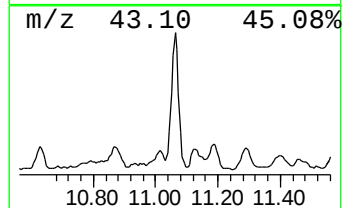
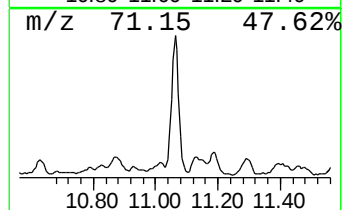
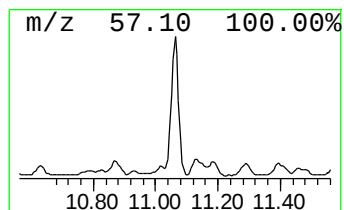
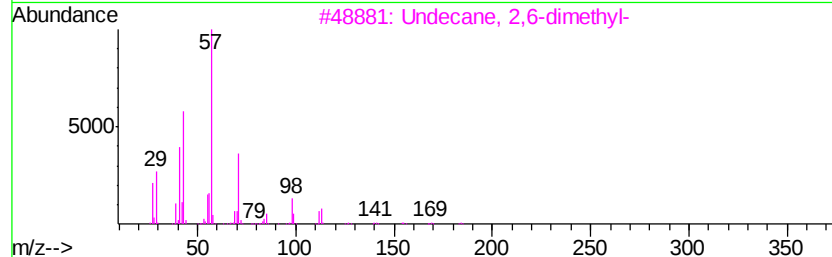
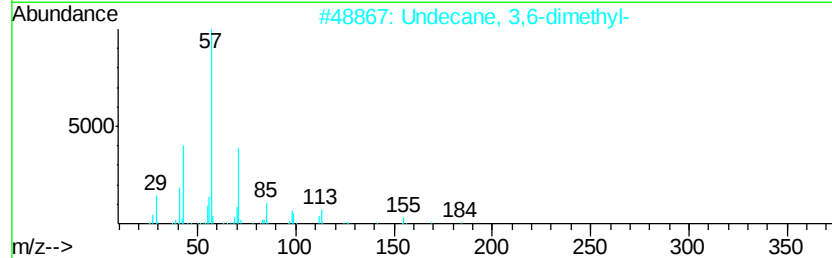
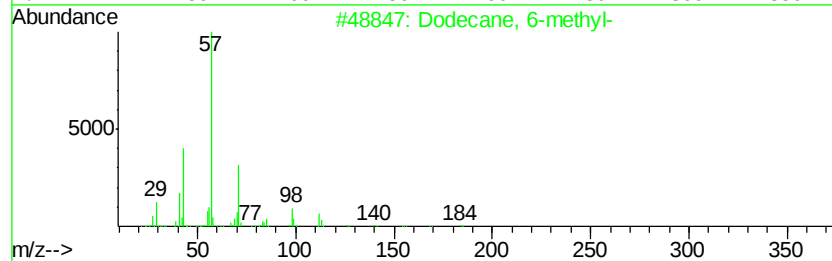
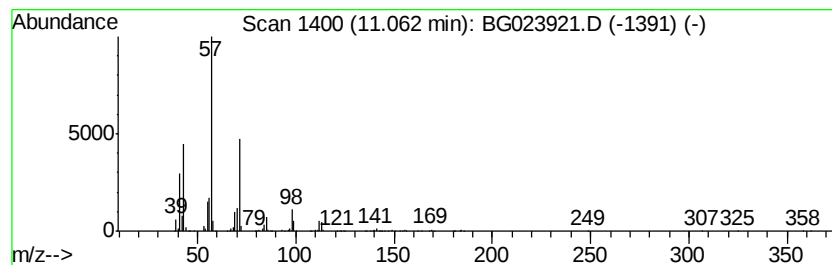
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Dodecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	57.92 ng	7779960	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	93
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	78
4		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72
5		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

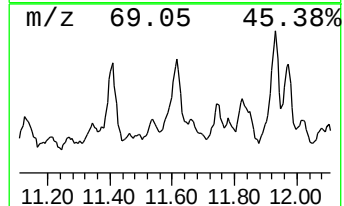
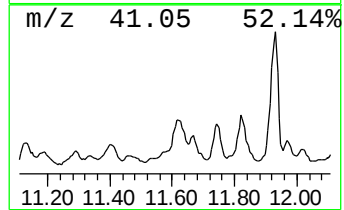
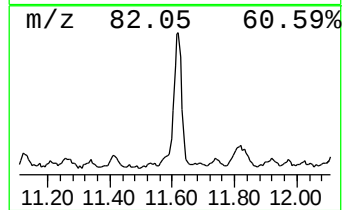
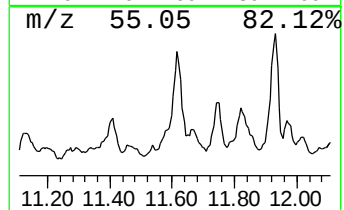
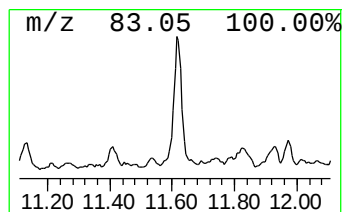
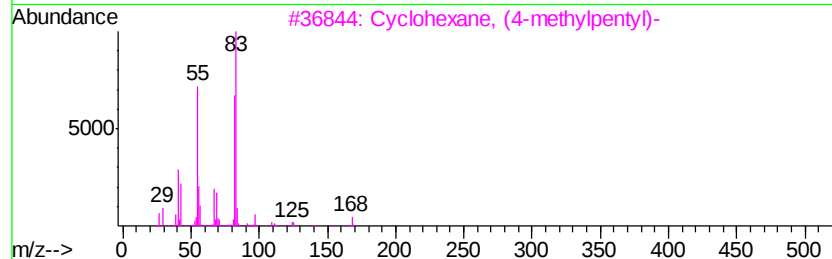
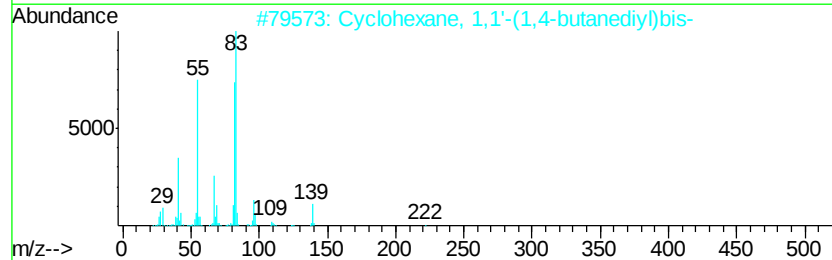
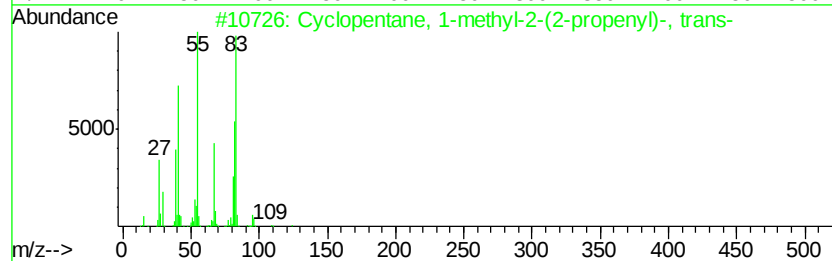
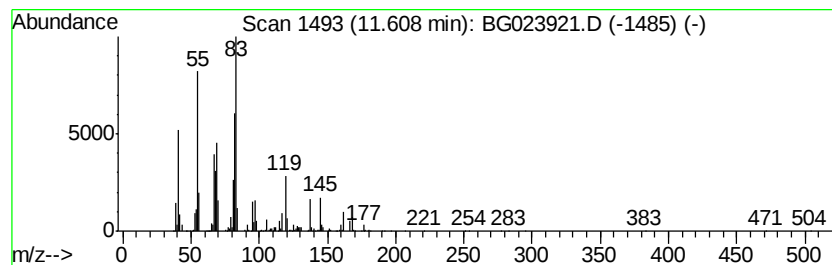
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopentane, 1-methyl-2-(2... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	31.25 ng	4197930	Naphthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	60
2		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	53
3		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
5		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
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Sample : H4592-09
Misc :
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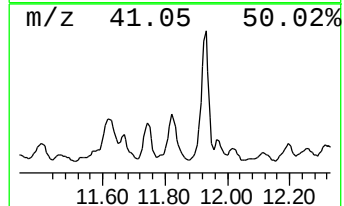
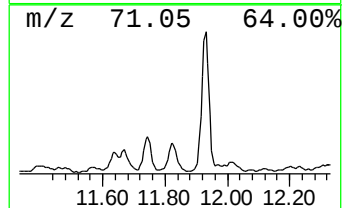
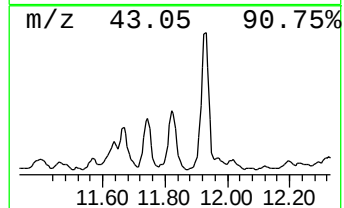
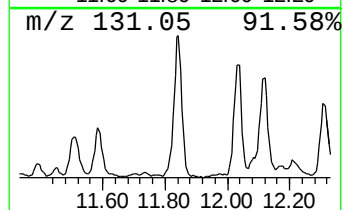
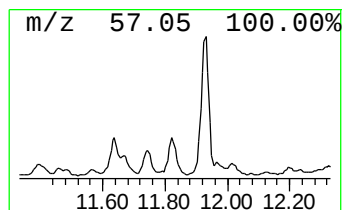
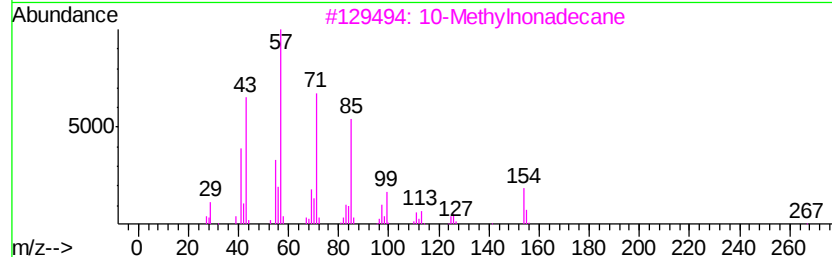
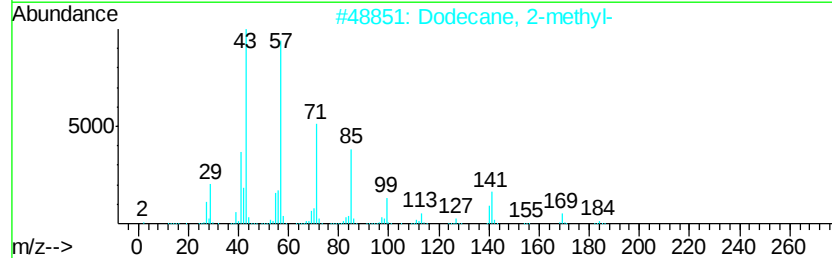
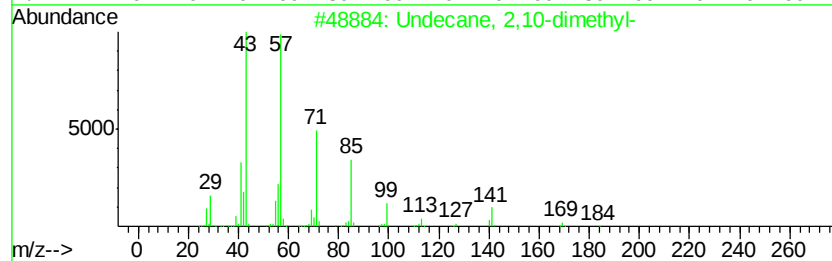
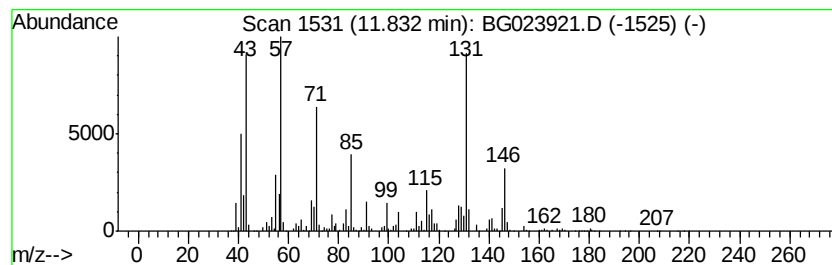
Instrument :
BNA_G
ClientSampled :
MW-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Undecane, 2,10-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	30.91 ng	4152570	Napthalene-d8	10.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	62
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
3	10-Methylnonadecane	282	C20H42	056862-62-5	50
4	Decane, 3-bromo-	220	C10H21Br	030571-71-2	49
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

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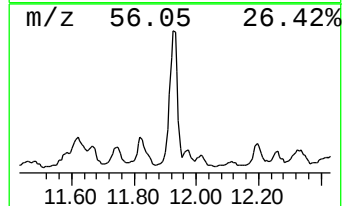
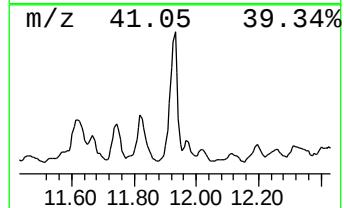
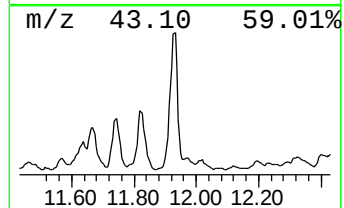
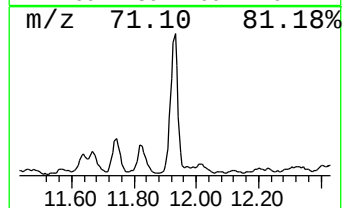
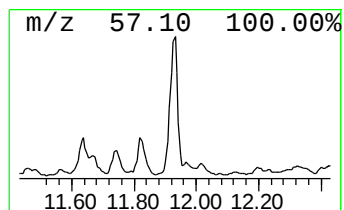
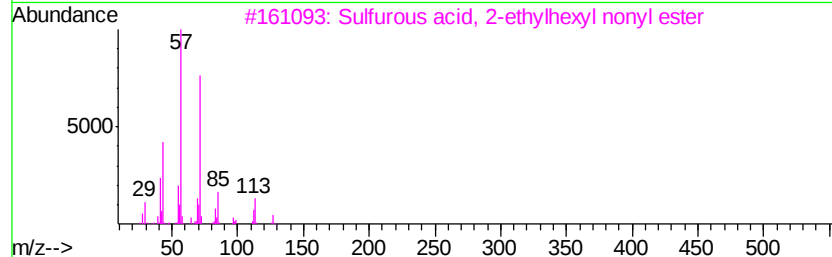
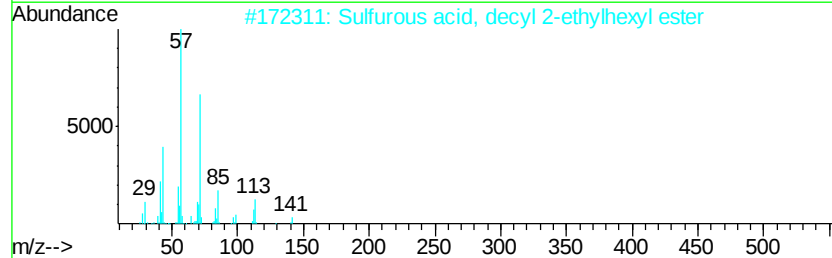
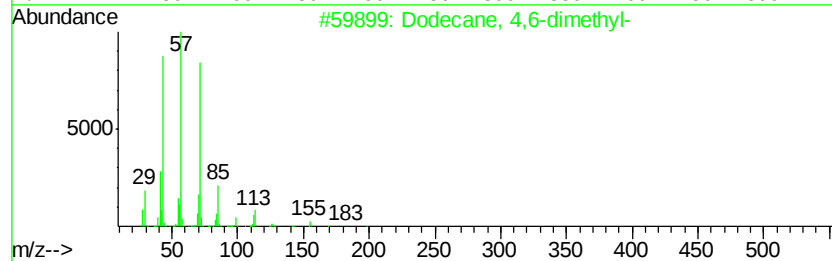
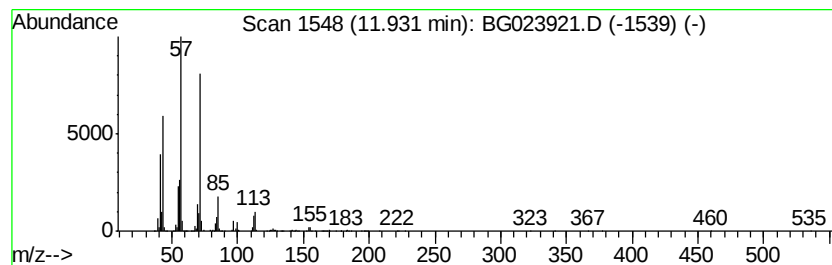
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Dodecane, 4,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	58.18 ng	7815520	Naphthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	91
2		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
4		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

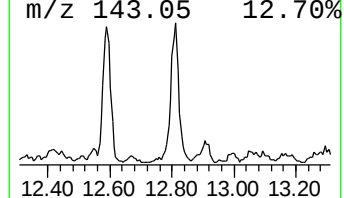
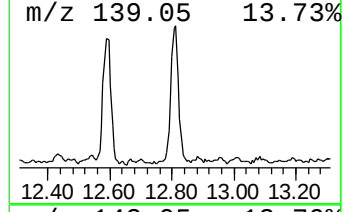
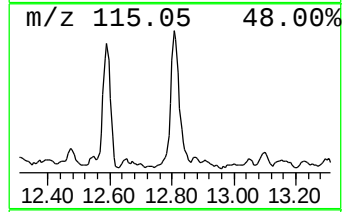
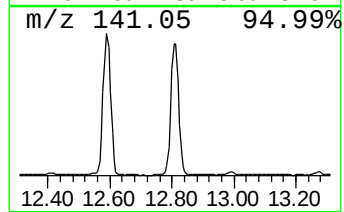
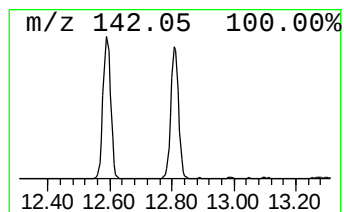
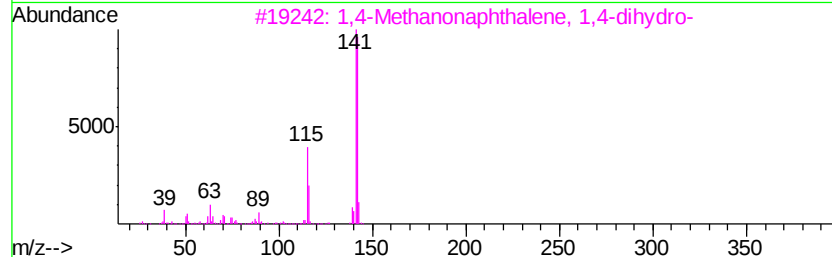
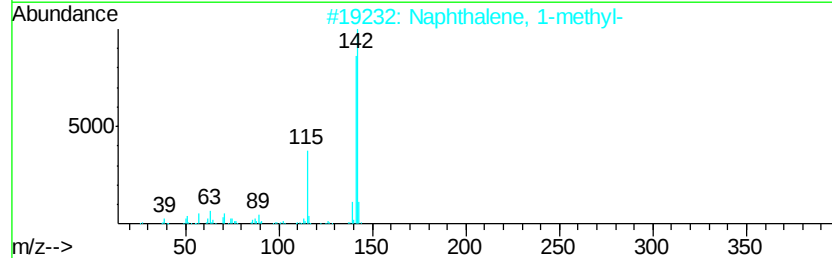
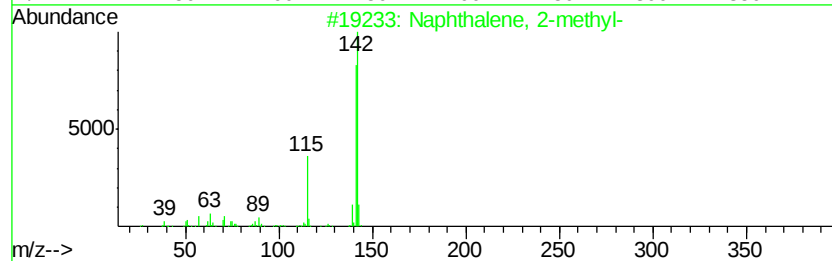
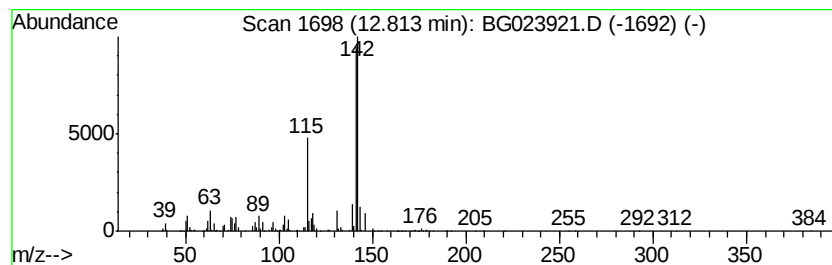
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	31.47 ng	4226990	Naphthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	87
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	80



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

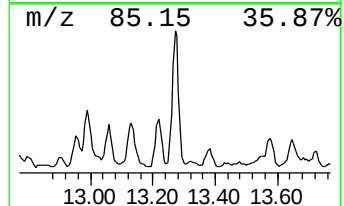
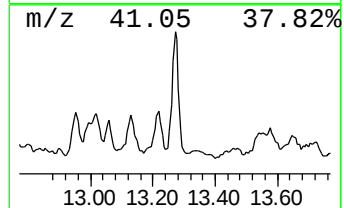
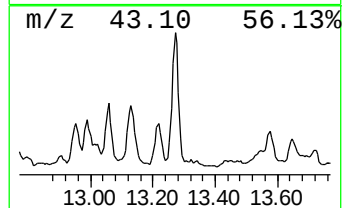
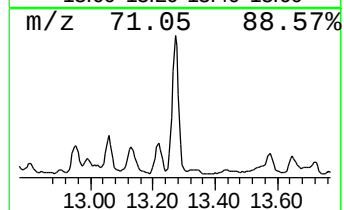
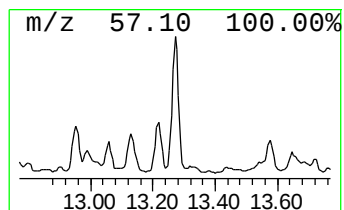
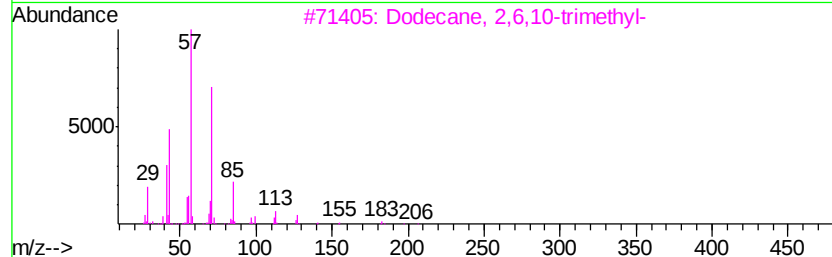
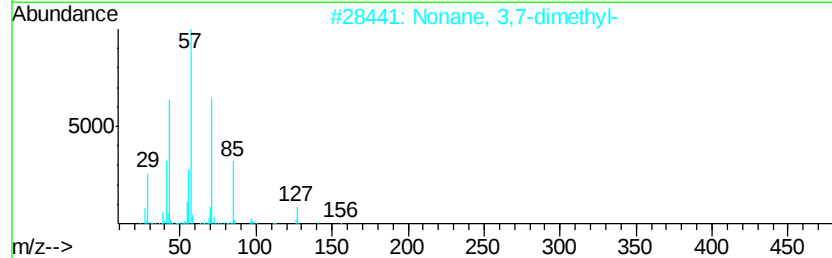
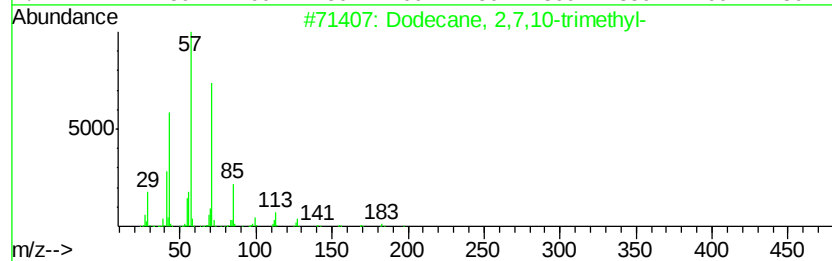
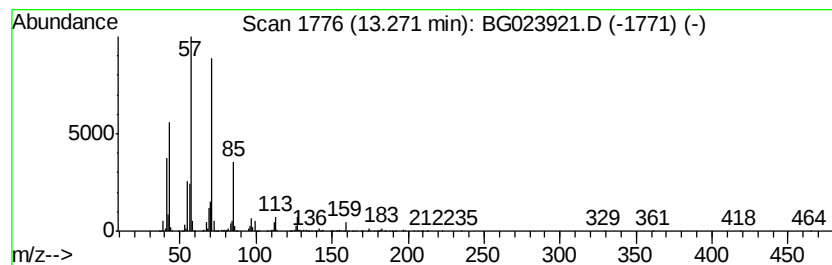
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	60.45 ng	5832820	Acenaphthene-d10	14.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5		Dodecane	170	C12H26	000112-40-3	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023921.D
Acq On : 26 Aug 2016 11:53
Operator : UM/SJ
Sample : H4592-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

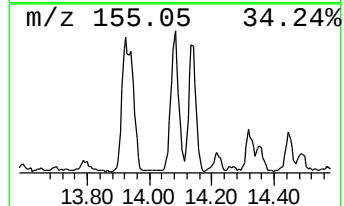
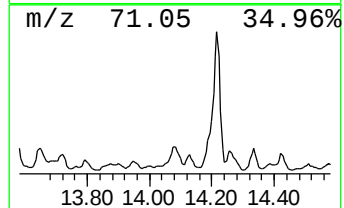
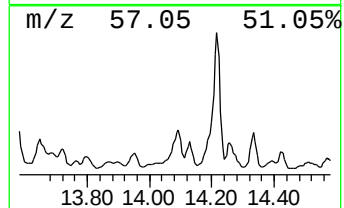
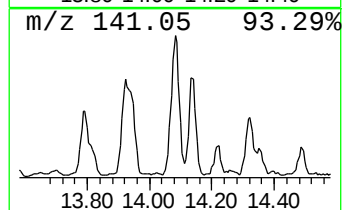
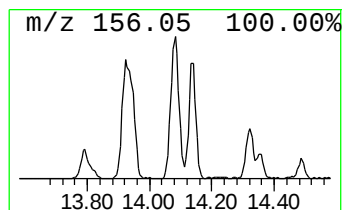
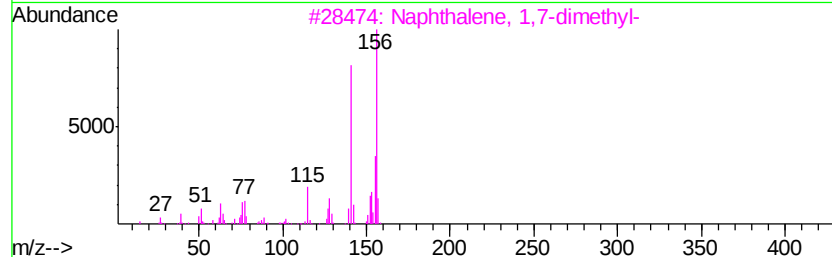
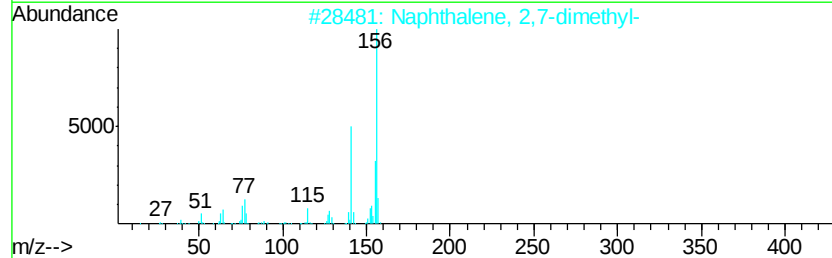
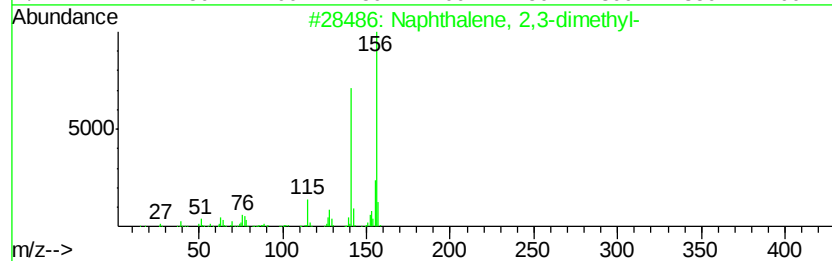
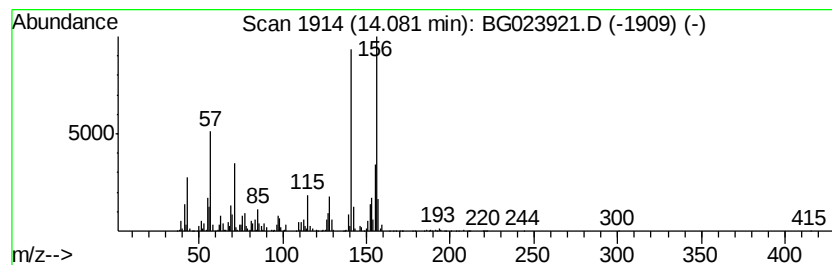
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	23.11 ng	2230200	Acenaphthene-d10	14.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
 Data File : BG023921.D
 Acq On : 26 Aug 2016 11:53
 Operator : UM/SJ
 Sample : H4592-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	7.47	37.4	ng	3579370	1	8.09	1916840	20.0
Benzene, 1,2,3-tr...	7.73	24.6	ng	2361670	1	8.09	1916840	20.0
Mesitylene	8.20	62.2	ng	5962590	1	8.09	1916840	20.0
Indane	8.47	23.8	ng	2276340	1	8.09	1916840	20.0
Benzene, 1,3-diet...	8.73	58.2	ng	5582110	1	8.09	1916840	20.0
Benzene, 1-ethyl-...	9.20	61.4	ng	5884250	1	8.09	1916840	20.0
Benzene, 4-ethyl-...	9.54	25.3	ng	3393660	2	10.93	2686540	20.0
Benzene, 1,2,4,5-...	9.73	28.4	ng	3819910	2	10.93	2686540	20.0
o-Cymene	9.79	30.1	ng	4046720	2	10.93	2686540	20.0
unknown10.10	10.10	24.1	ng	3237970	2	10.93	2686540	20.0
1H-Indene, 2,3-di...	10.16	36.7	ng	4932740	2	10.93	2686540	20.0
Benzene, 1-methyl...	10.32	64.4	ng	8649450	2	10.93	2686540	20.0
Dodecane, 6-methyl-	11.06	57.9	ng	7779960	2	10.93	2686540	20.0
Cyclopentane, 1-m...	11.61	31.3	ng	4197930	2	10.93	2686540	20.0
Undecane, 2,10-di...	11.83	30.9	ng	4152570	2	10.93	2686540	20.0
Dodecane, 4,6-dim...	11.93	58.2	ng	7815520	2	10.93	2686540	20.0
Naphthalene, 1-me...	12.81	31.5	ng	4226990	2	10.93	2686540	20.0
Dodecane, 2,7,10-...	13.27	60.5	ng	5832820	3	14.77	1929870	20.0
Naphthalene, 2,3-...	14.08	23.1	ng	2230200	3	14.77	1929870	20.0