

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077539.D
 Acq On : 2 Mar 2015 23:12
 Operator : TP/IZ
 Sample : G1402-05 20X
 Misc : S
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW44

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	4.304	295	299	302	rBV	390942	700998	3.83%	0.367%
2	5.367	389	392	394	rVV	1758896	2687161	14.69%	1.408%
3	5.527	401	406	409	rBV	1050981	2129758	11.64%	1.116%
4	5.824	430	432	435	rVV	982085	1460768	7.98%	0.766%
5	5.927	438	441	443	rVV	456463	586888	3.21%	0.308%
6	6.236	463	468	470	rBV	396489	539464	2.95%	0.283%
7	6.682	504	507	509	rVV	1415808	1617169	8.84%	0.848%
8	6.716	509	510	513	rVB	1068865	1170128	6.40%	0.613%
9	6.773	513	515	518	rBV	1038486	1079846	5.90%	0.566%
10	7.047	537	539	544	rVB	2247197	2904187	15.87%	1.522%
11	7.333	563	564	566	rVV	775952	644002	3.52%	0.337%
12	7.390	566	569	571	rVV2	565037	636200	3.48%	0.333%
13	7.482	575	577	580	rVB	4805092	5672669	31.01%	2.973%
14	7.573	584	585	587	rVB	619761	698086	3.82%	0.366%
15	7.665	591	593	595	rBV	910490	840719	4.60%	0.441%
16	7.927	613	616	618	rBV	1002510	971755	5.31%	0.509%
17	8.019	622	624	627	rBV2	644902	920315	5.03%	0.482%
18	8.247	643	644	647	rBV	634123	638768	3.49%	0.335%
19	8.442	658	661	663	rVB	904525	909293	4.97%	0.477%
20	8.533	666	669	671	rBV2	1244818	2145841	11.73%	1.125%
21	8.579	671	673	676	rVV	1142305	1948265	10.65%	1.021%
22	8.887	693	700	703	rVV	9227761	18295091	100.00%	9.588%
23	8.933	703	704	709	rVB3	544448	774431	4.23%	0.406%
24	9.402	741	745	748	rBV2	428118	1217045	6.65%	0.638%
25	9.470	748	751	754	rVV3	342469	582117	3.18%	0.305%
26	9.733	771	774	776	rVB	6855121	9378264	51.26%	4.915%
27	9.859	782	785	787	rVB	5870595	6883874	37.63%	3.608%
28	10.305	822	824	828	rVB	2046500	2010339	10.99%	1.054%
29	10.419	832	834	839	rVB	2258833	3013456	16.47%	1.579%
30	10.511	839	842	844	rBV	1506515	2407868	13.16%	1.262%
31	10.602	847	850	851	rVV	2557659	2978273	16.28%	1.561%
32	10.636	851	853	856	rVV	1224097	1911757	10.45%	1.002%
33	10.705	858	859	861	rVV	450912	692613	3.79%	0.363%
34	10.739	861	862	865	rVV	1473869	1595309	8.72%	0.836%

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35	10.842	868	871	873	rBV	1709280	1788226	9.77%	0.937%
36	11.013	883	886	888	rBV	1099449	1389204	7.59%	0.728%
37	11.059	888	890	893	rVB	4908587	5161555	28.21%	2.705%
38	11.151	896	898	901	rBV	617925	880876	4.81%	0.462%
39	11.276	906	909	912	rBV3	765768	1426012	7.79%	0.747%
40	11.322	912	913	915	rVB2	579369	535552	2.93%	0.281%
41	11.368	915	917	919	rVB2	384725	509108	2.78%	0.267%
42	11.413	919	921	923	rBV2	720686	1061490	5.80%	0.556%
43	11.528	928	931	934	rBV2	645501	1172947	6.41%	0.615%
44	11.573	934	935	937	rVB	656902	793836	4.34%	0.416%
45	11.653	937	942	944	rBV3	699023	1394273	7.62%	0.731%
46	11.699	944	946	948	rBV	2949126	3133123	17.13%	1.642%
47	11.756	950	951	956	rBV4	339511	932311	5.10%	0.489%
48	11.825	956	957	959	rBV2	457967	745564	4.08%	0.391%
49	11.871	959	961	964	rVV2	909060	1454412	7.95%	0.762%
50	11.974	968	970	971	rBV	1221791	1212468	6.63%	0.635%
51	12.008	971	973	975	rVB2	479359	744885	4.07%	0.390%
52	12.202	988	990	993	rBV	1124590	1388262	7.59%	0.728%
53	12.385	1003	1006	1007	rBV	665245	1206326	6.59%	0.632%
54	12.419	1007	1009	1013	rVV2	476873	1154834	6.31%	0.605%
55	12.476	1013	1014	1016	rVB2	595680	648471	3.54%	0.340%
56	12.568	1019	1022	1023	rBV2	402759	708038	3.87%	0.371%
57	12.728	1034	1036	1038	rVB	995086	917540	5.02%	0.481%
58	12.785	1038	1041	1045	rVB	967726	1271386	6.95%	0.666%
59	12.899	1048	1051	1054	rVV	6418171	8930584	48.81%	4.680%
60	12.956	1054	1056	1059	rVV	2974951	3158537	17.26%	1.655%
61	13.242	1077	1081	1082	rVV2	402640	796932	4.36%	0.418%
62	13.379	1091	1093	1096	rVB2	373081	585323	3.20%	0.307%
63	13.494	1100	1103	1104	rVV	2662989	2855427	15.61%	1.496%
64	13.528	1104	1106	1109	rVB	2655825	2748885	15.03%	1.441%
65	13.585	1109	1111	1112	rBV	1337263	1343177	7.34%	0.704%
66	13.631	1112	1115	1116	rVV	2798526	4015011	21.95%	2.104%
67	13.871	1134	1136	1137	rBV	837266	1176566	6.43%	0.617%
68	14.054	1150	1152	1153	rVV	357434	596334	3.26%	0.313%
69	14.088	1153	1155	1156	rVV	436714	584885	3.20%	0.307%
70	14.179	1161	1163	1165	rVV	1412899	1914229	10.46%	1.003%
71	14.214	1165	1166	1168	rVV	884718	1331433	7.28%	0.698%

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72	14.294	1171	1173	1175	rVV2	474716	825162	4.51%	0.432%
73	14.374	1178	1180	1185	rVB	3782129	4572694	24.99%	2.396%
74	14.488	1188	1190	1193	rVB	1946046	2018995	11.04%	1.058%
75	14.659	1202	1205	1207	rVV	5249410	6413209	35.05%	3.361%
76	14.934	1226	1229	1233	rVV	659756	1218101	6.66%	0.638%
77	15.071	1235	1241	1243	rVB	1476731	3041818	16.63%	1.594%
78	15.151	1246	1248	1250	rVV	1188962	1320431	7.22%	0.692%
79	15.197	1250	1252	1254	rVV	1064689	1071988	5.86%	0.562%
80	15.277	1257	1259	1260	rVV	568132	695358	3.80%	0.364%
81	15.311	1260	1262	1263	rVV	748772	930172	5.08%	0.487%
82	15.345	1263	1265	1269	rVB	985393	1306128	7.14%	0.684%
83	15.597	1284	1287	1290	rVB3	281953	562282	3.07%	0.295%
84	15.837	1304	1308	1310	rBV3	415758	938639	5.13%	0.492%
85	15.871	1310	1311	1315	rVB2	590307	895245	4.89%	0.469%
86	16.145	1332	1335	1337	rBV2	2886853	4780742	26.13%	2.505%
87	16.191	1337	1339	1341	rVV	2213563	2697461	14.74%	1.414%
88	16.282	1343	1347	1349	rVV4	323749	693049	3.79%	0.363%
89	16.328	1349	1351	1355	rVB2	385268	604238	3.30%	0.317%
90	16.648	1377	1379	1381	rVV	801915	1204673	6.58%	0.631%
91	16.774	1388	1390	1391	rVV	464709	585090	3.20%	0.307%
92	16.831	1394	1395	1400	rVB2	450111	682261	3.73%	0.358%
93	17.448	1446	1449	1454	rBV	1039781	2446759	13.37%	1.282%
94	17.563	1457	1459	1461	rBV	453133	599167	3.28%	0.314%
95	17.768	1475	1477	1479	rVB	997751	1134132	6.20%	0.594%
96	17.837	1479	1483	1485	rBV	1580462	2140753	11.70%	1.122%
97	17.894	1485	1488	1489	rVV	564072	734661	4.02%	0.385%
98	18.454	1534	1537	1542	rVB3	261107	535726	2.93%	0.281%
99	19.357	1612	1616	1620	rVB2	417245	957224	5.23%	0.502%
100	19.780	1650	1653	1657	rBV	415316	899141	4.91%	0.471%

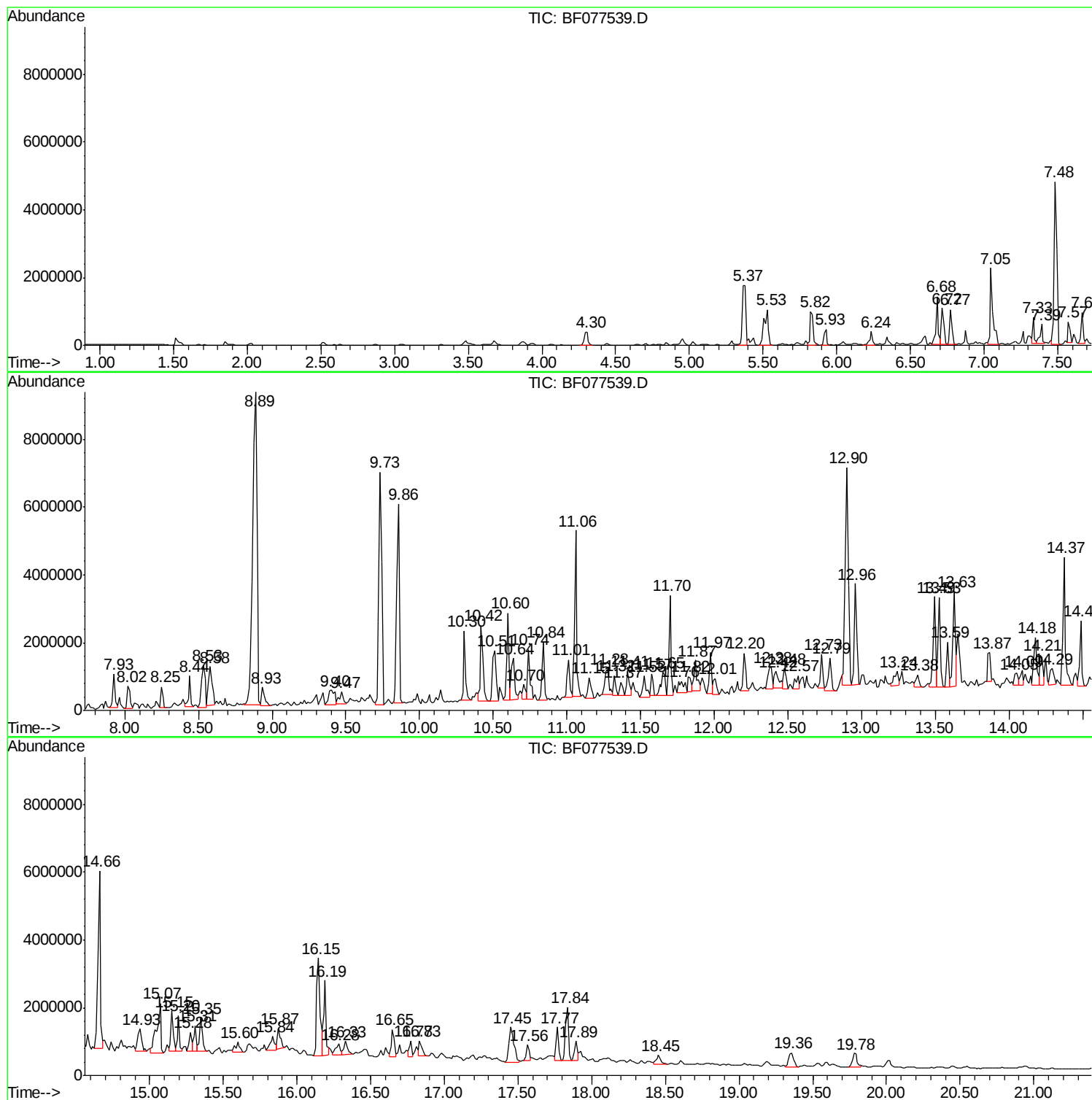
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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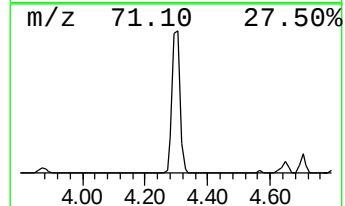
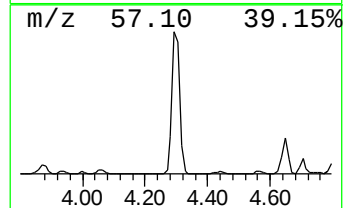
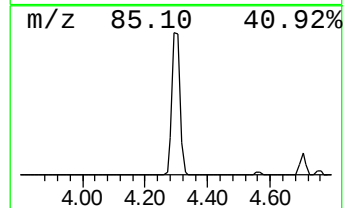
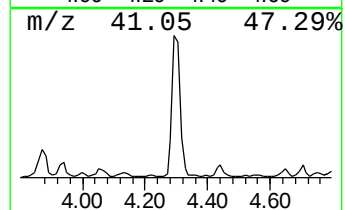
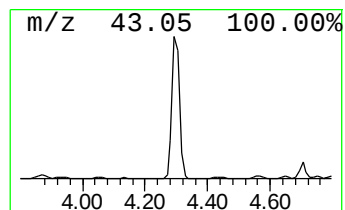
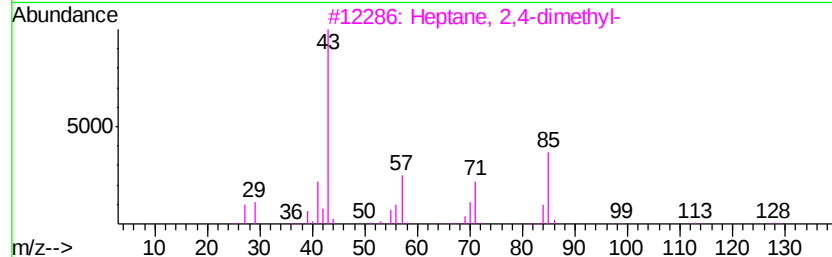
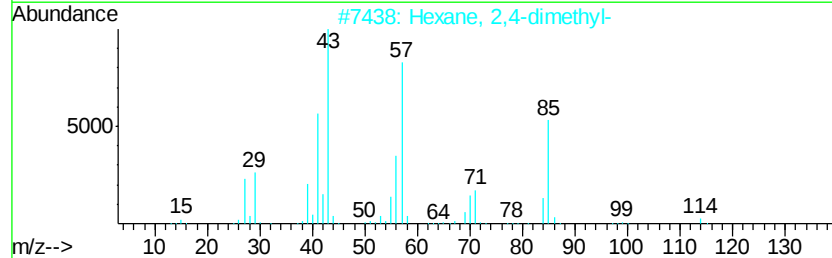
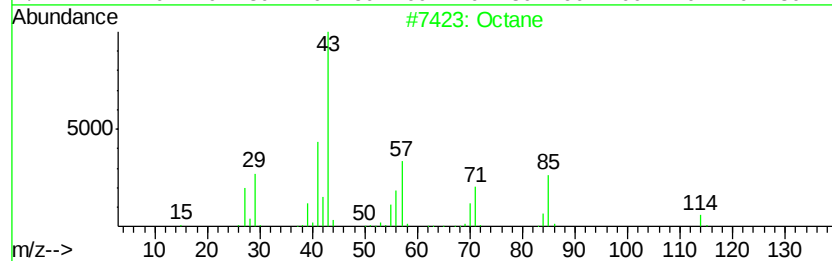
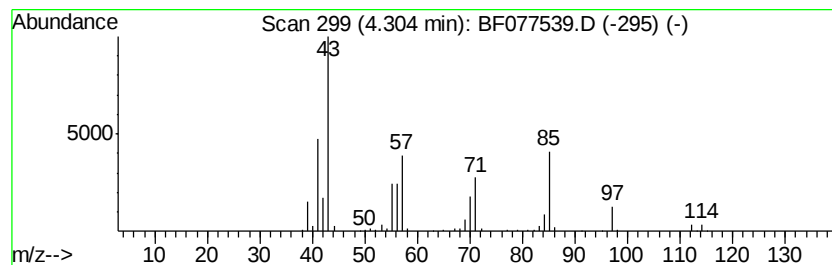
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	21.77 ng	700998	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	90
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59
5		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	50



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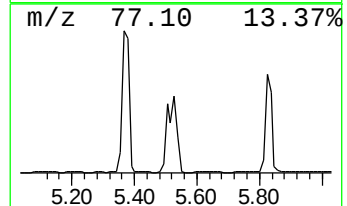
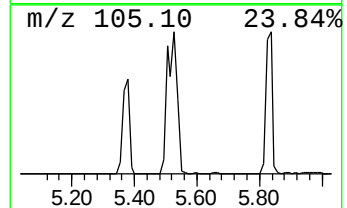
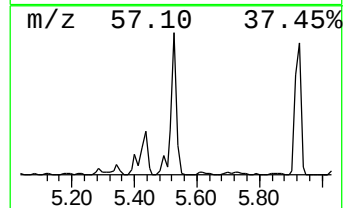
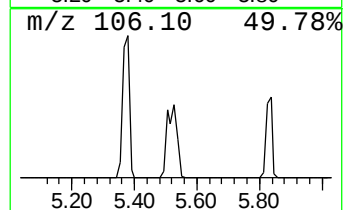
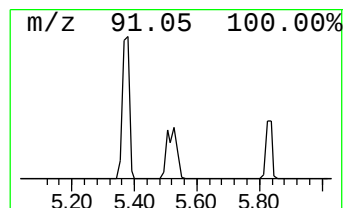
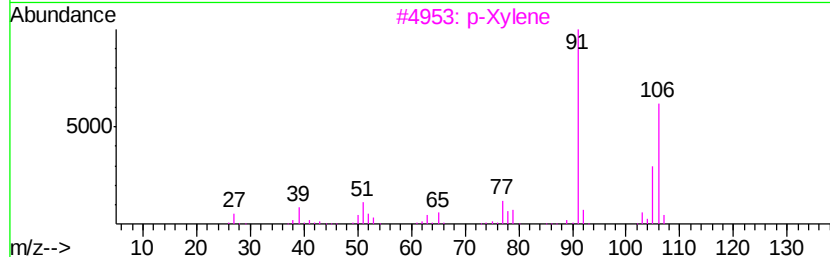
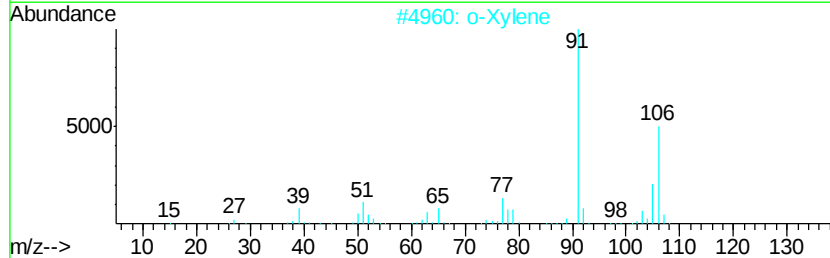
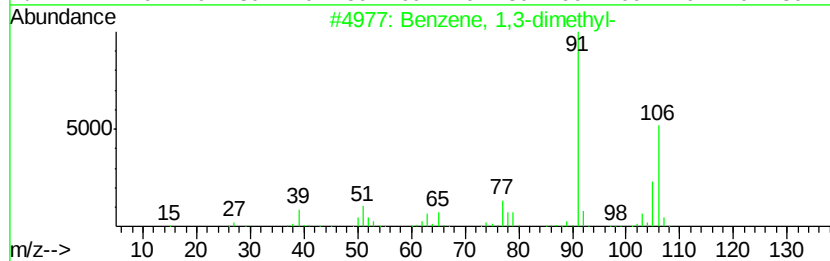
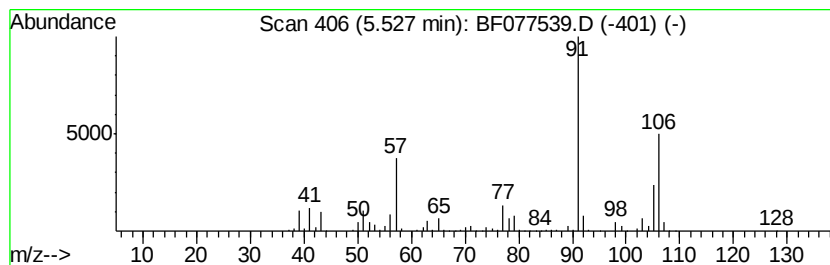
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	66.14 ng	2129760	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2		o-Xylene	106	C8H10	000095-47-6	97
3		p-Xylene	106	C8H10	000106-42-3	97
4		1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	76
5		Ethylbenzene	106	C8H10	000100-41-4	74



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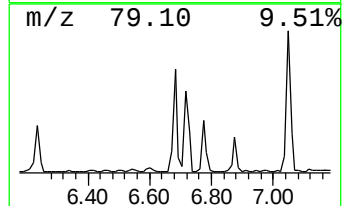
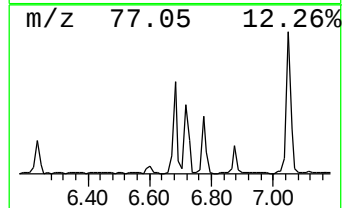
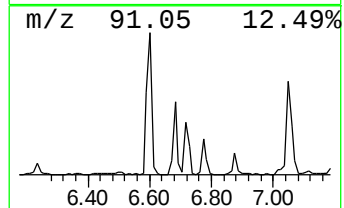
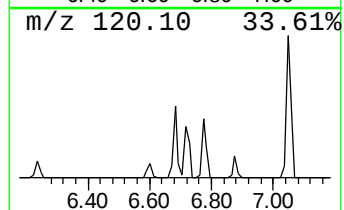
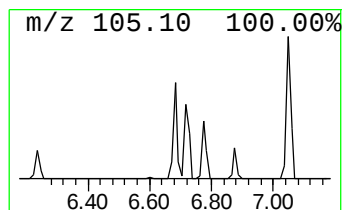
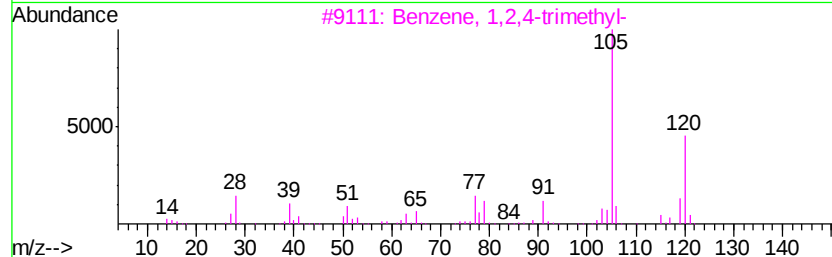
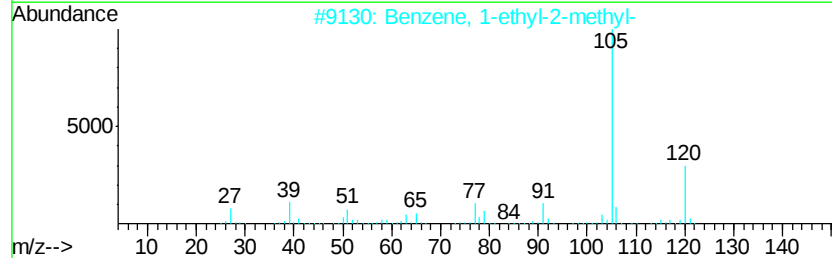
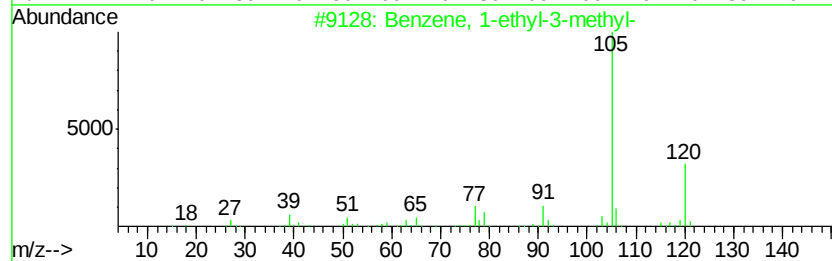
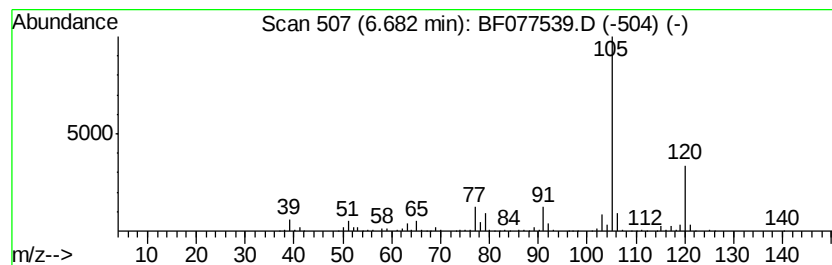
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Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	50.22 ng	1617170	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

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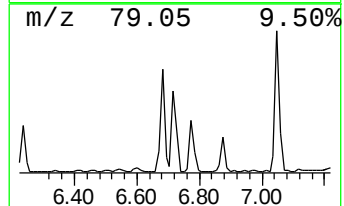
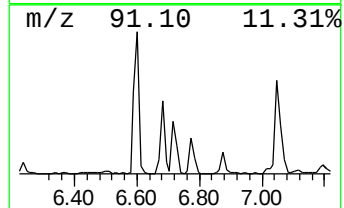
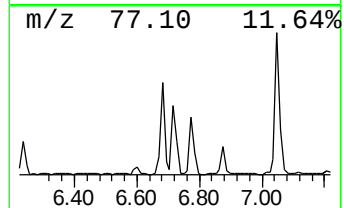
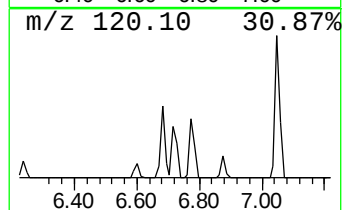
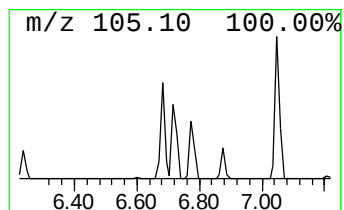
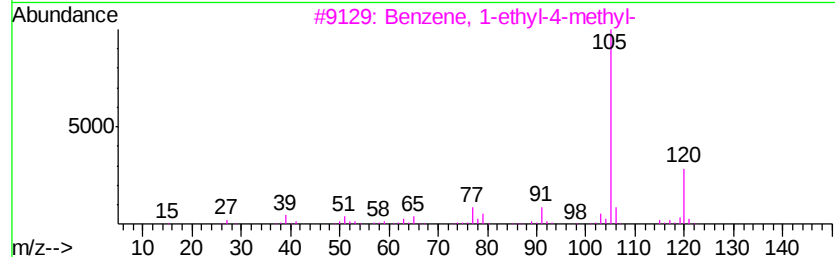
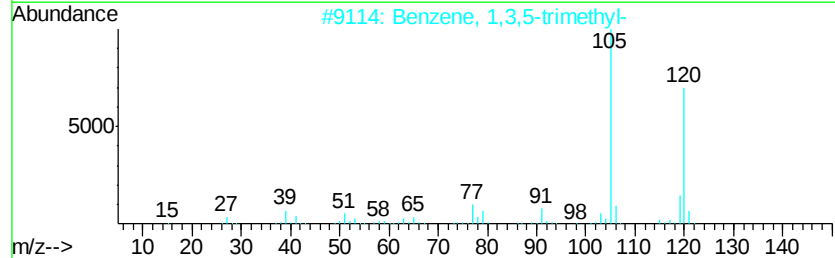
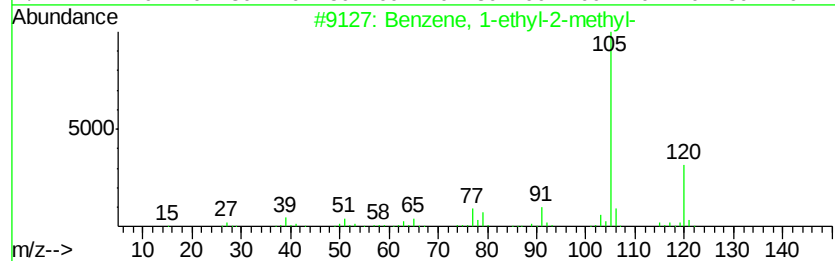
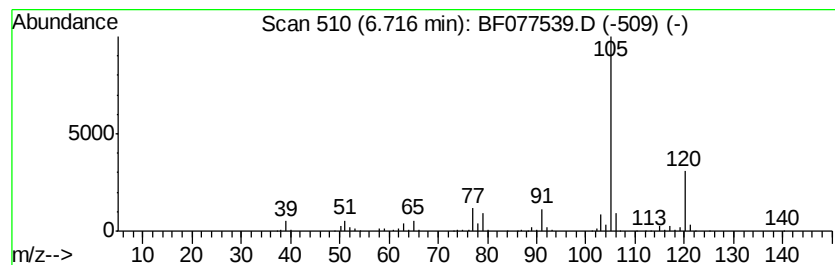
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	36.34 ng	1170130	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

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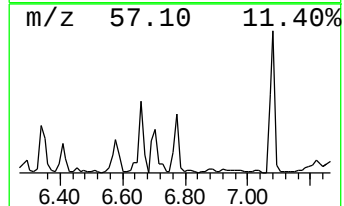
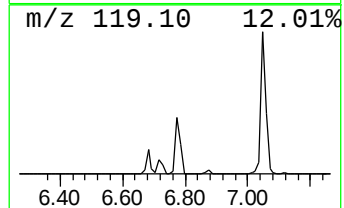
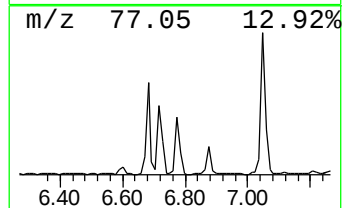
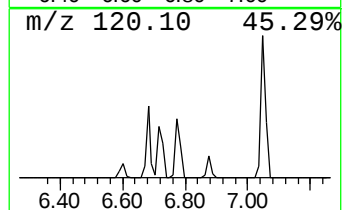
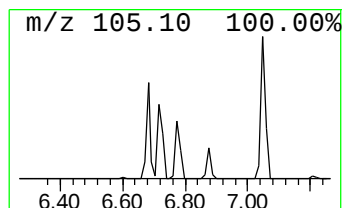
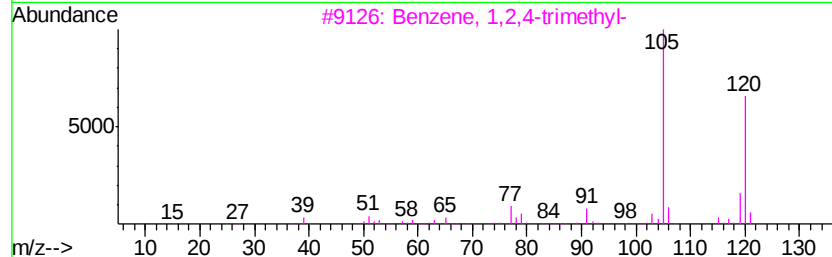
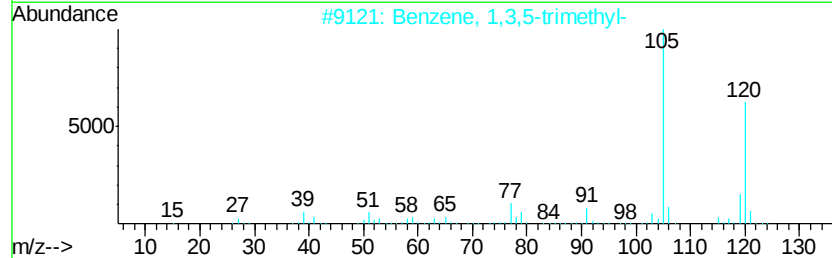
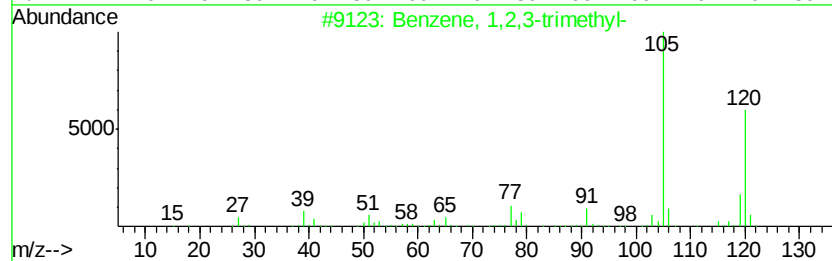
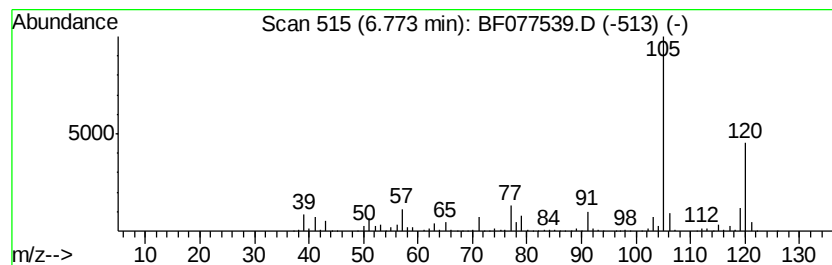
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	33.54 ng	1079850	1,4-Dichlorobenzene-d4	7.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95	
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94	
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93	
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87	
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

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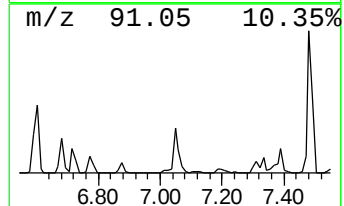
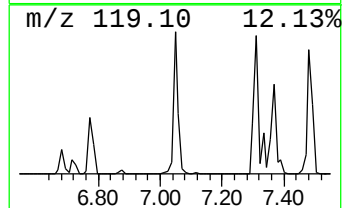
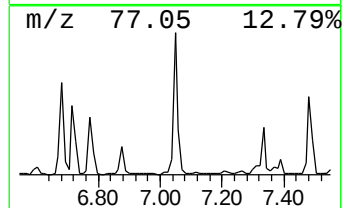
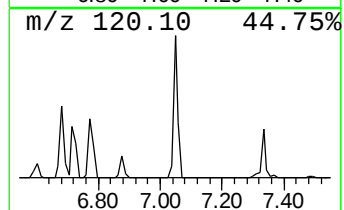
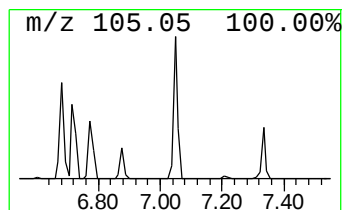
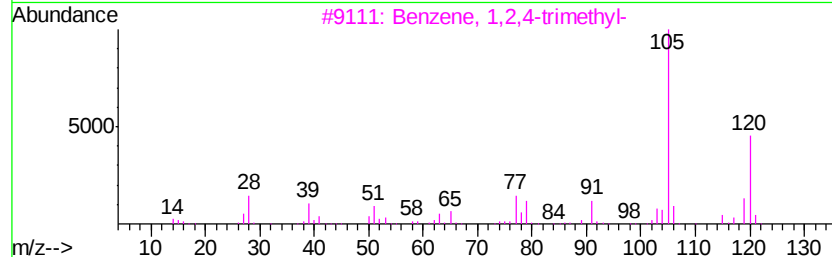
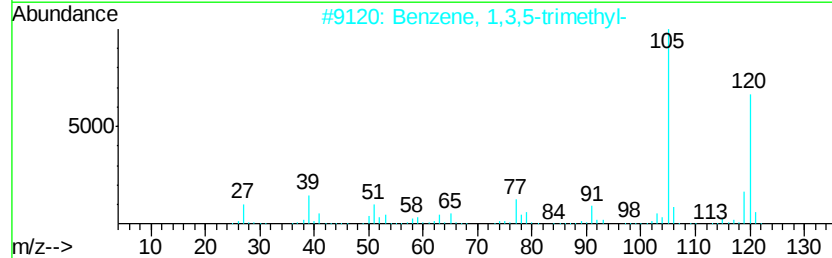
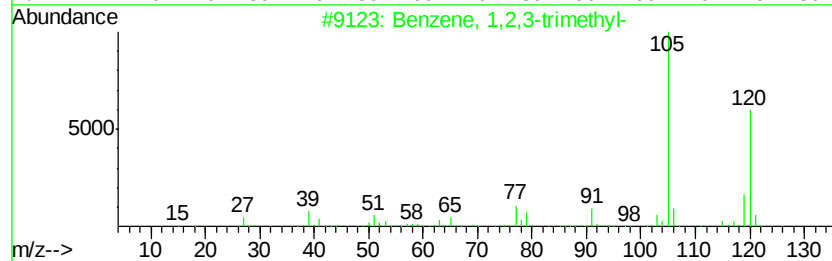
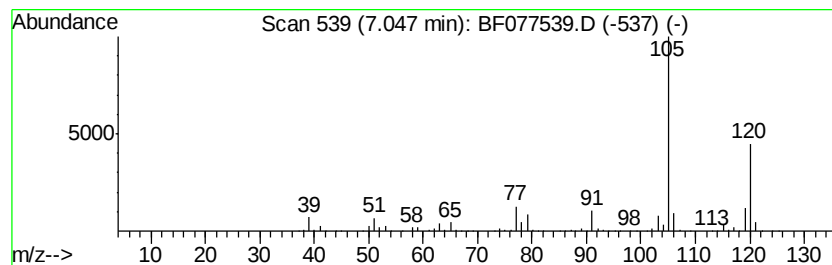
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,3,5-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	90.19 ng	2904190	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

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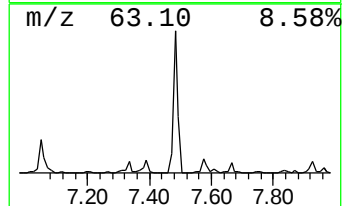
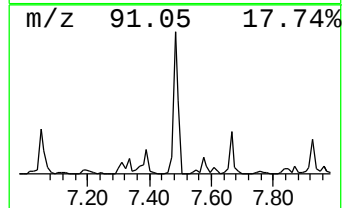
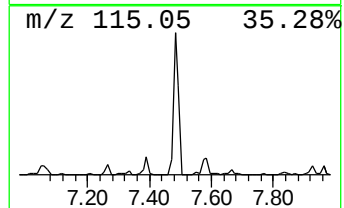
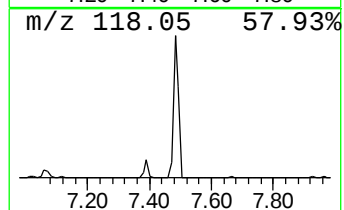
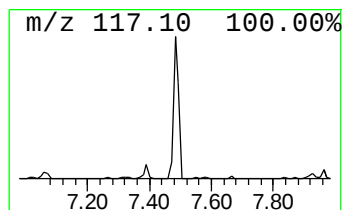
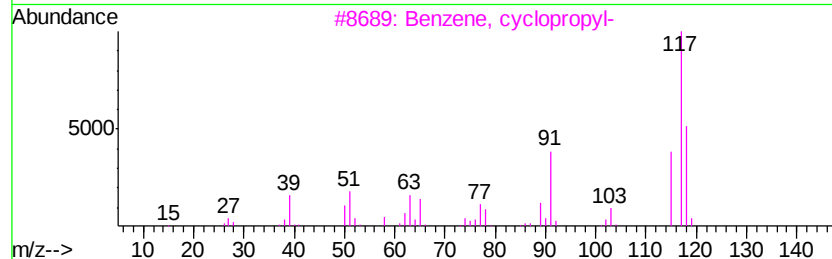
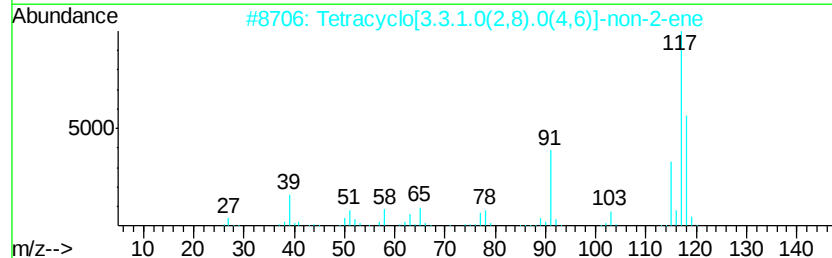
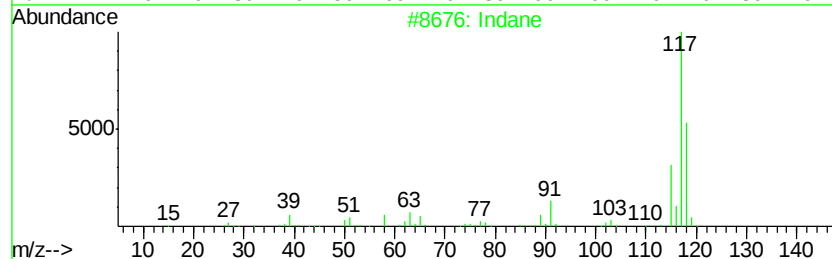
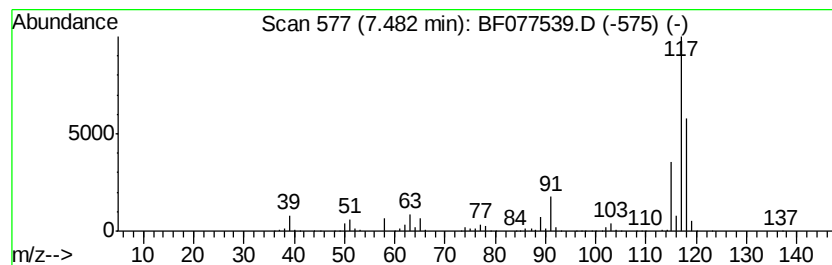
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	176.17 ng	5672670	1,4-Dichlorobenzene-d4	7.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	64
3	Benzene, cvclopopyl-		118	C9H10	000873-49-4	64
4	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	60
5	Benzene, 1-propenyl-		118	C9H10	000637-50-3	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
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Misc : S
ALS Vial : 20 Sample Multiplier: 1

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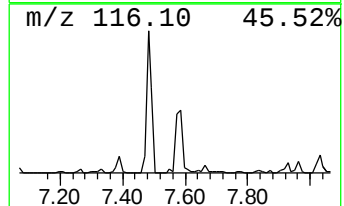
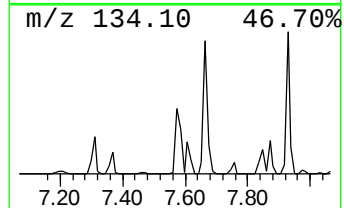
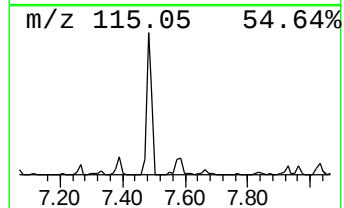
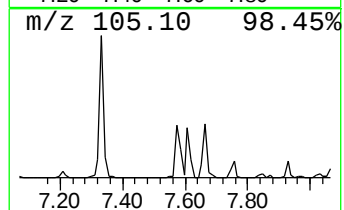
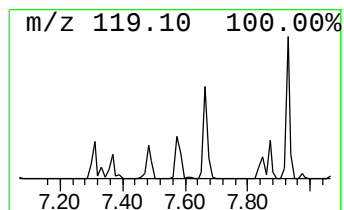
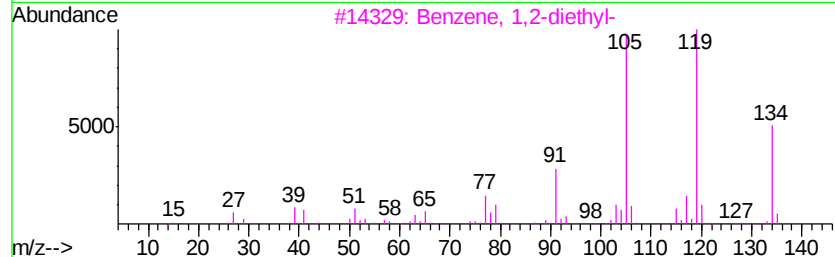
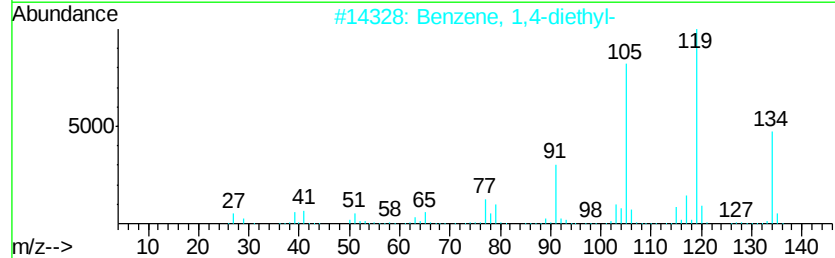
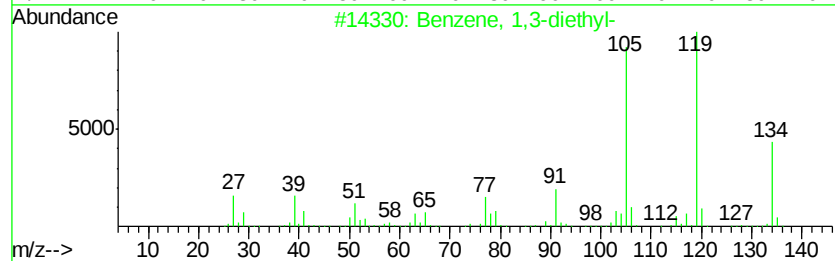
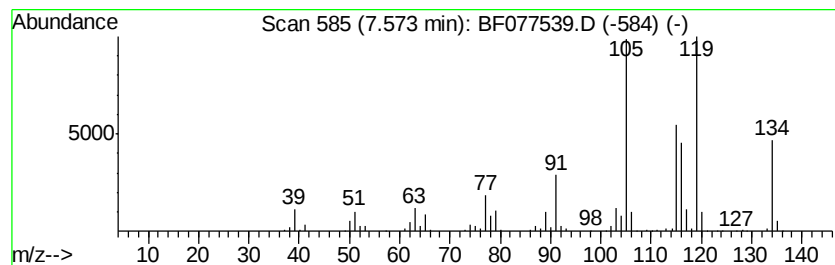
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	21.68 ng	698086	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	83
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

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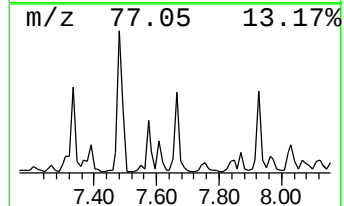
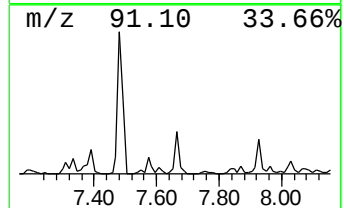
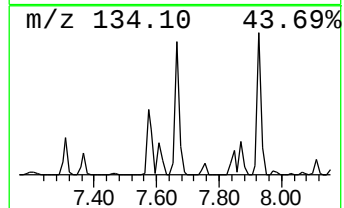
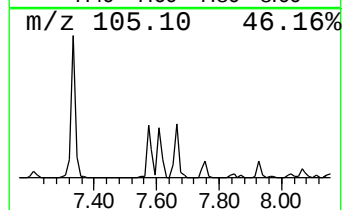
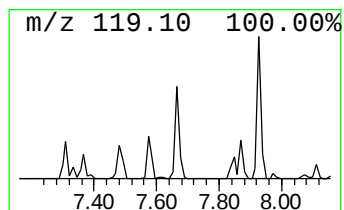
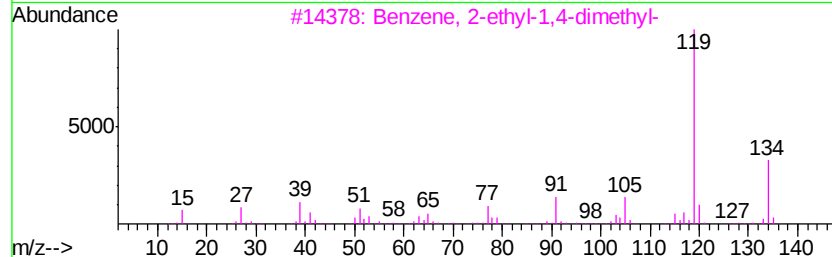
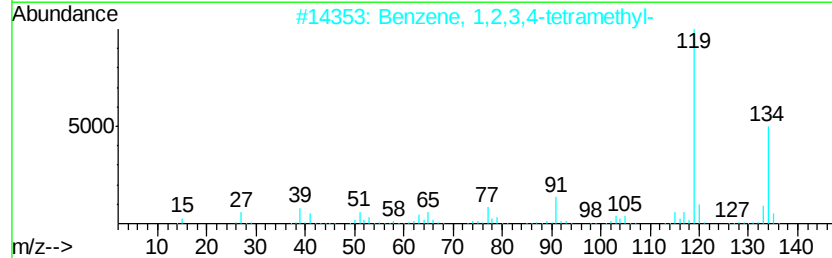
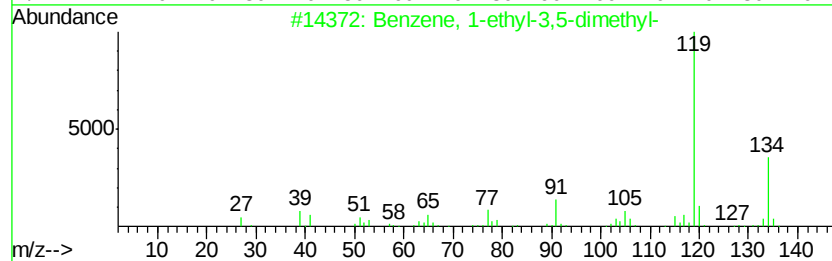
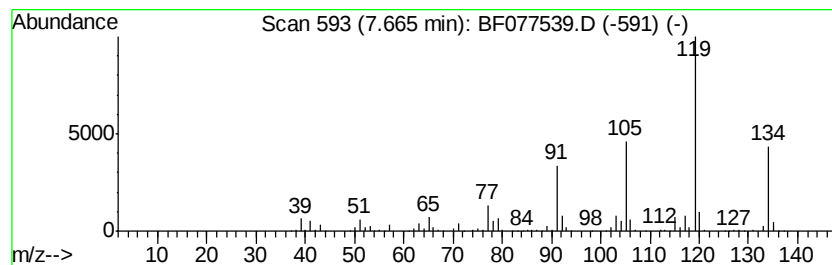
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	26.11 ng	840719	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
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Misc : S
ALS Vial : 20 Sample Multiplier: 1

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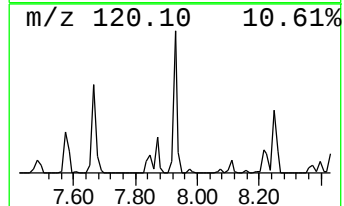
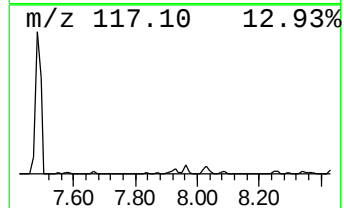
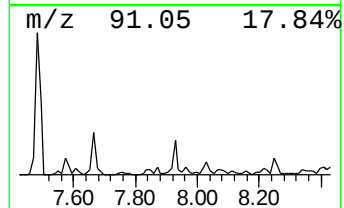
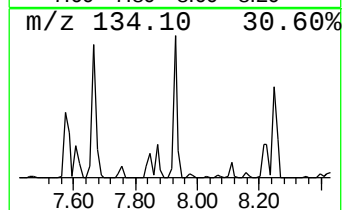
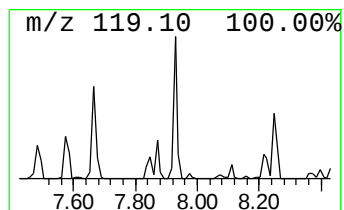
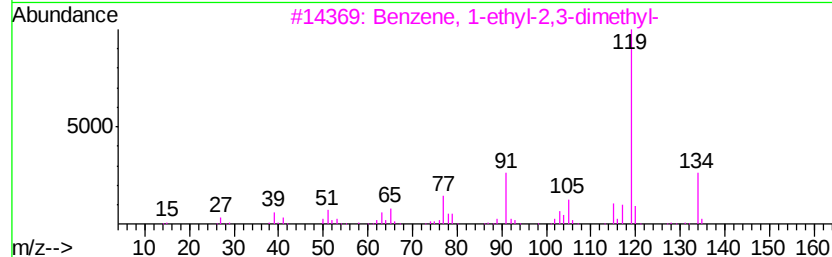
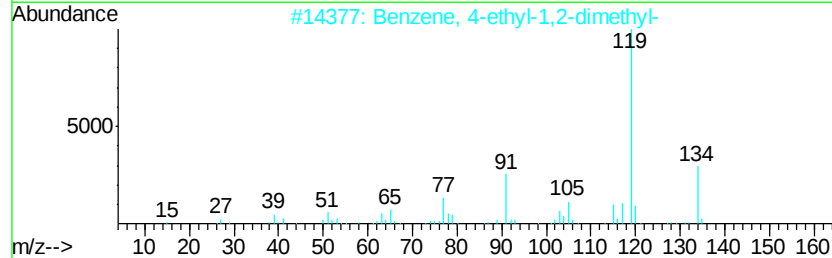
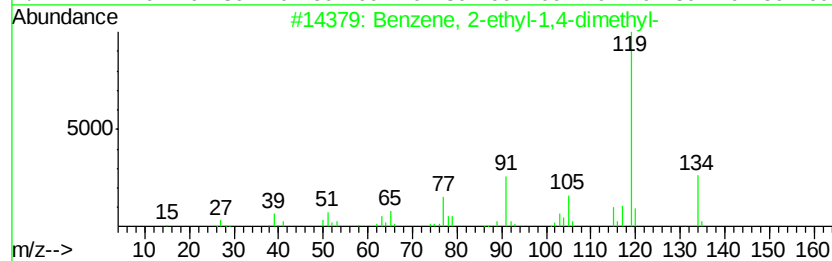
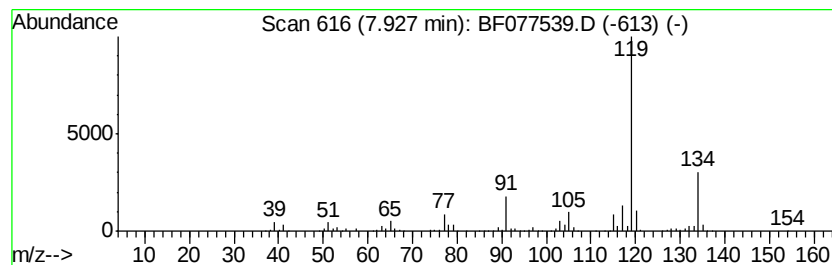
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	30.18 ng	971755	1,4-Dichlorobenzene-d4	7.26

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

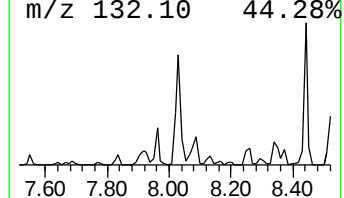
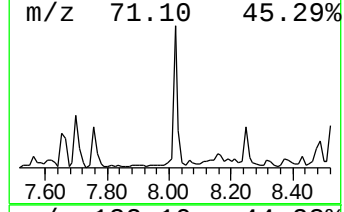
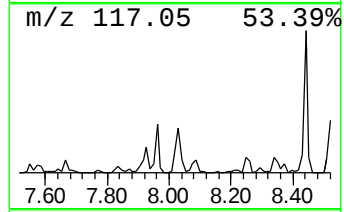
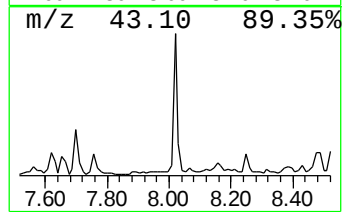
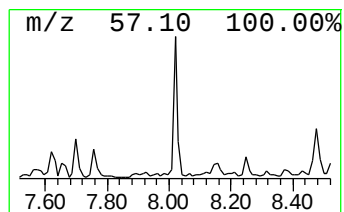
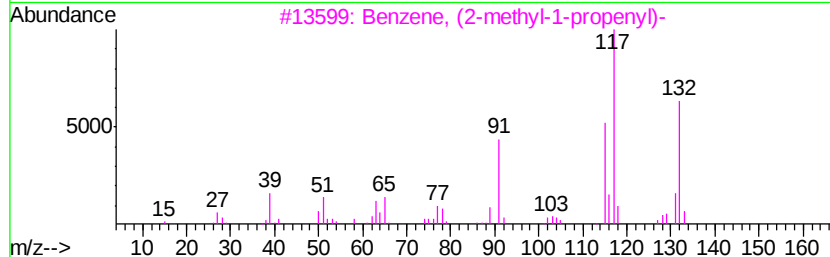
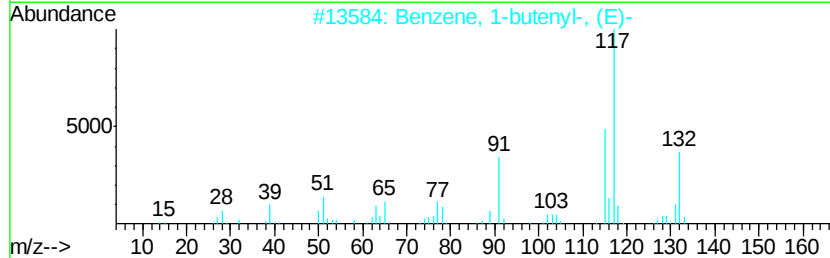
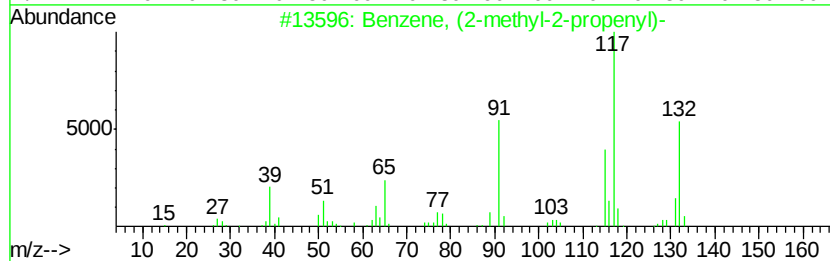
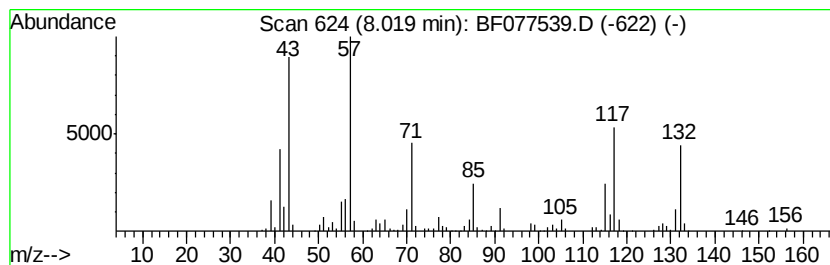
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, (2-methyl-2-propen... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	28.58 ng	920315	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	55
2		Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	55
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

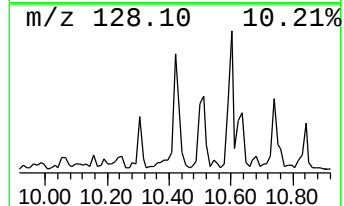
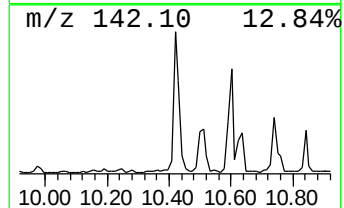
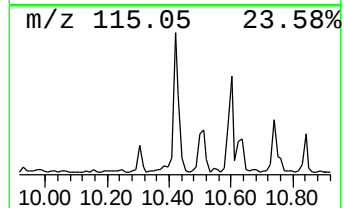
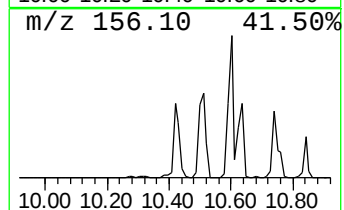
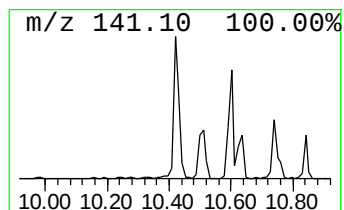
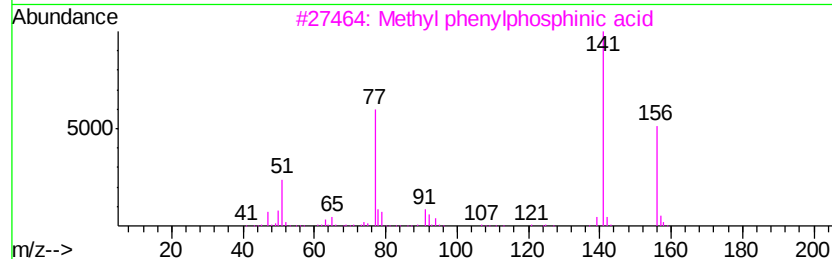
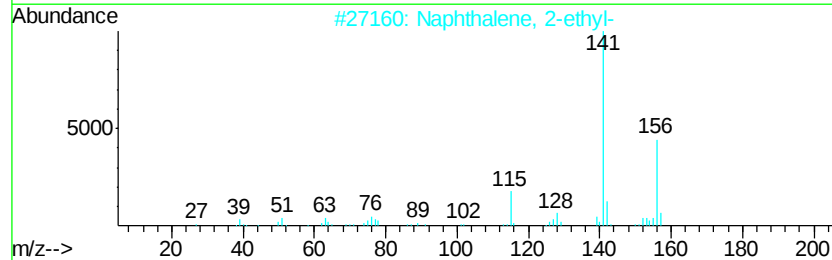
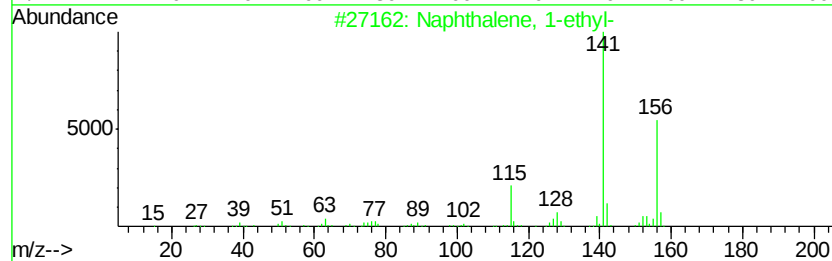
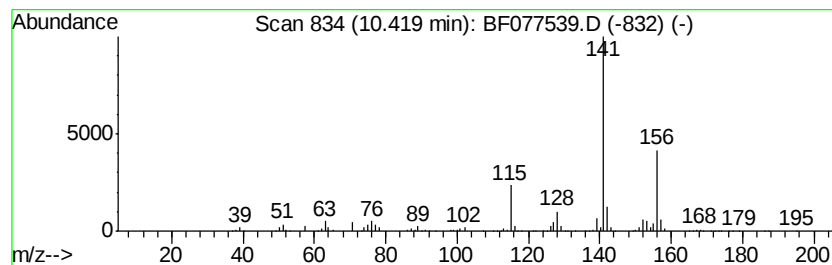
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	43.38 ng	3013460	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	53
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

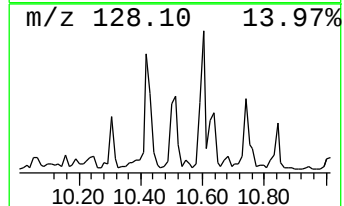
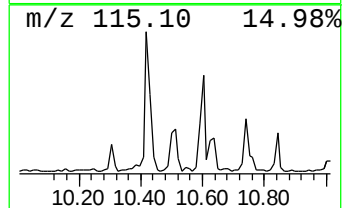
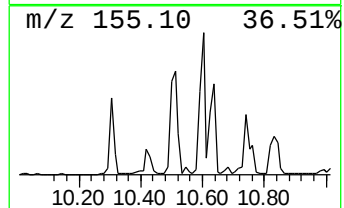
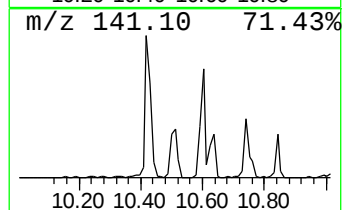
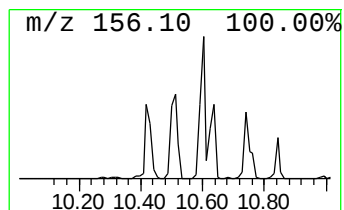
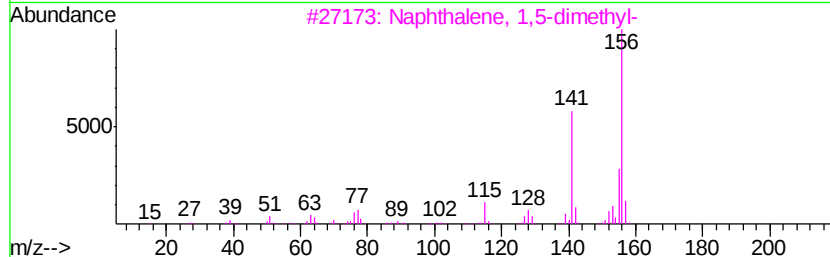
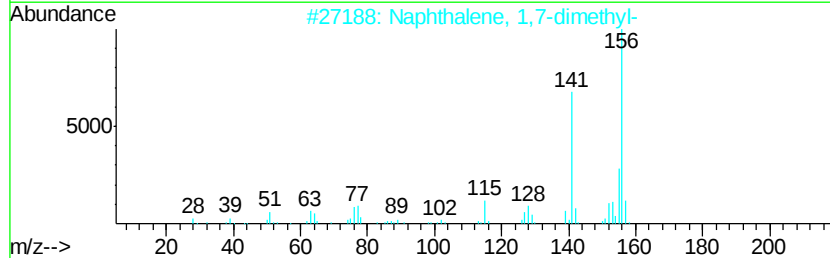
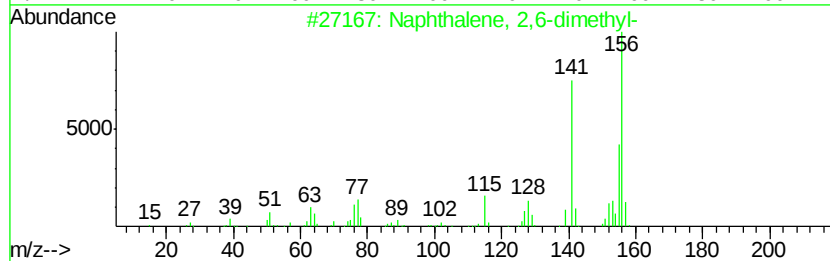
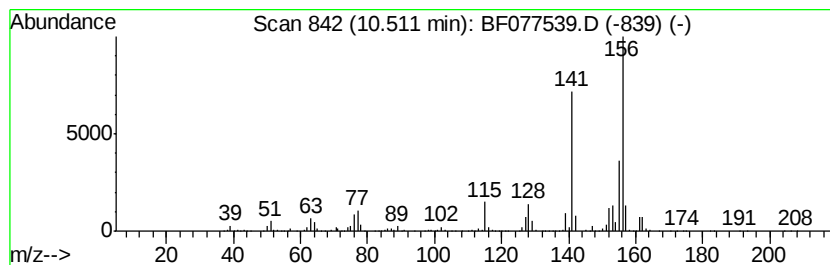
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	34.67 ng	2407870	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

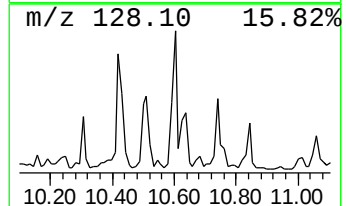
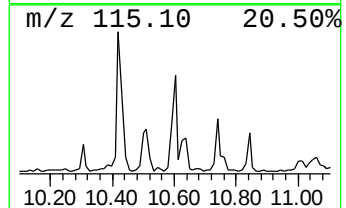
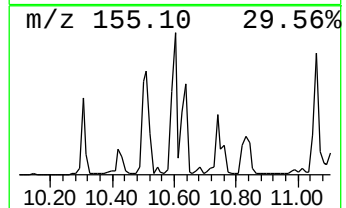
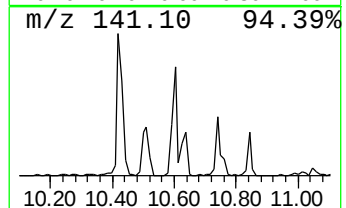
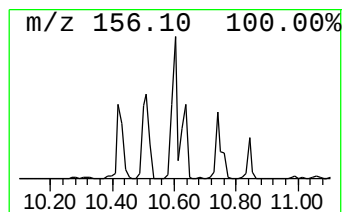
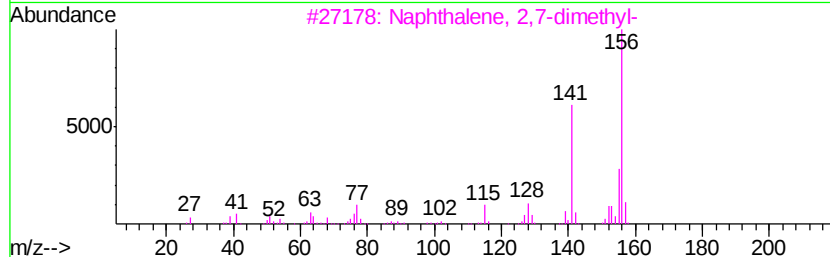
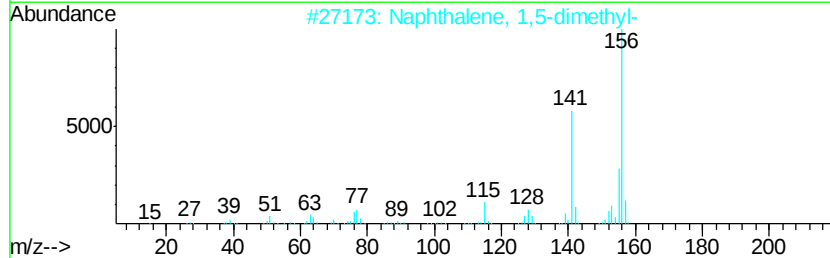
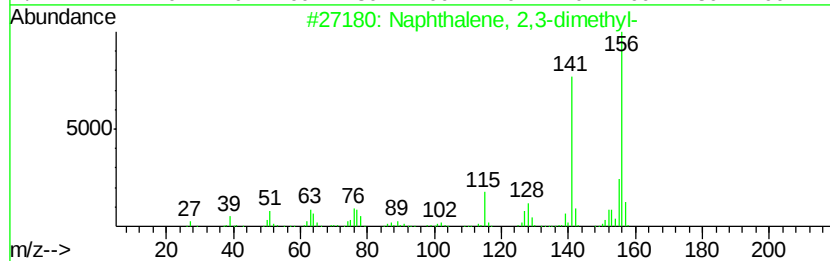
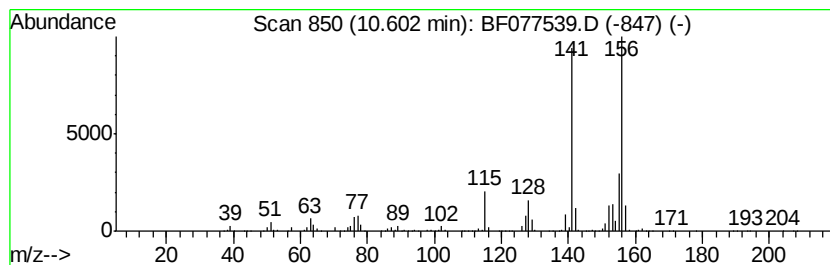
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	42.88 ng	2978270	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

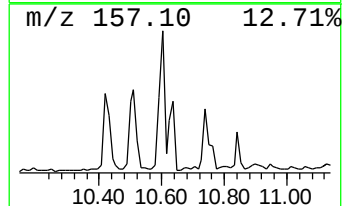
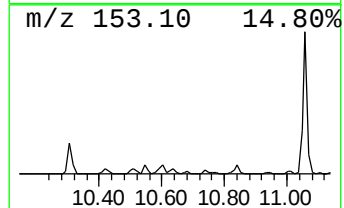
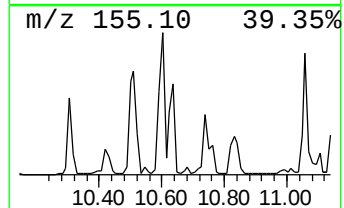
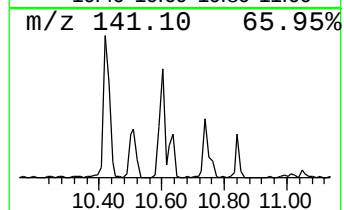
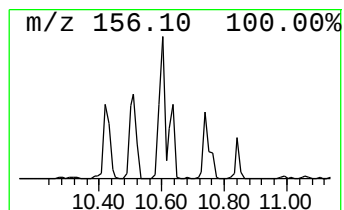
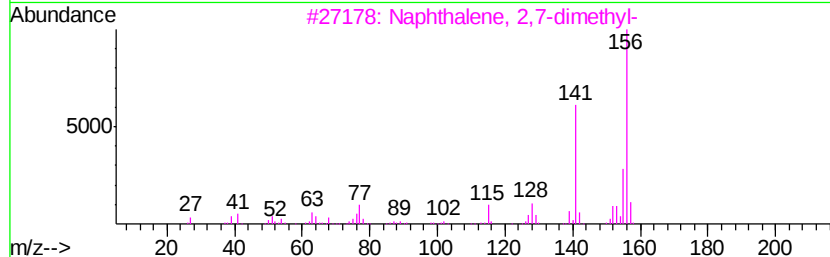
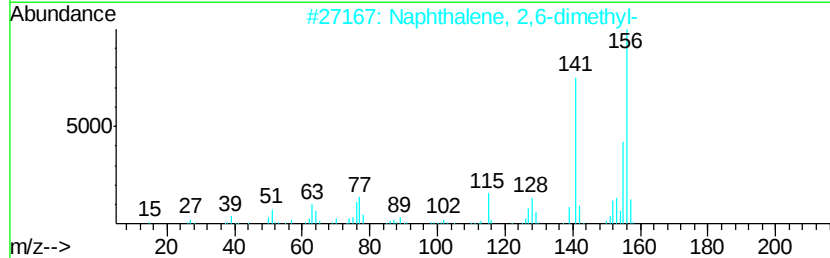
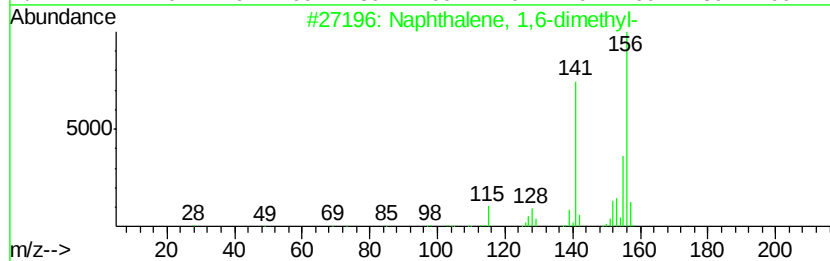
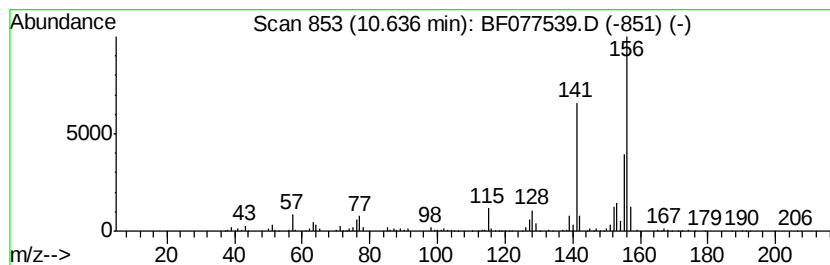
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	27.52 ng	1911760	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

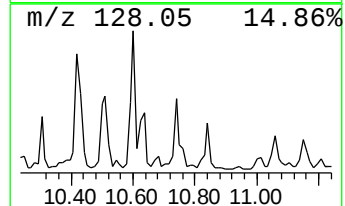
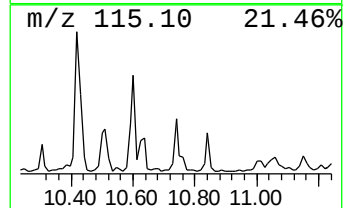
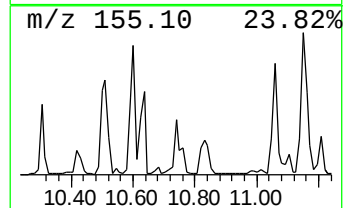
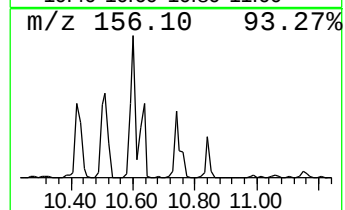
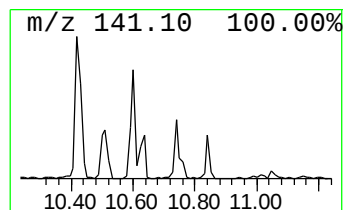
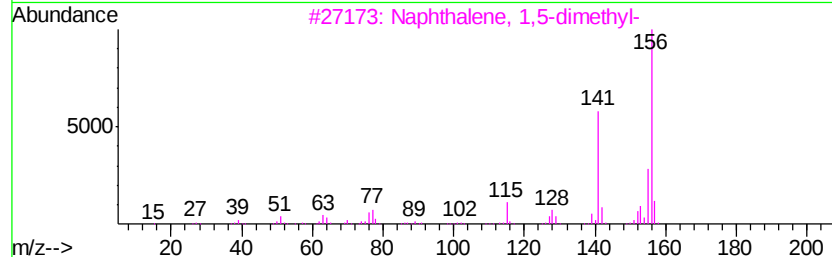
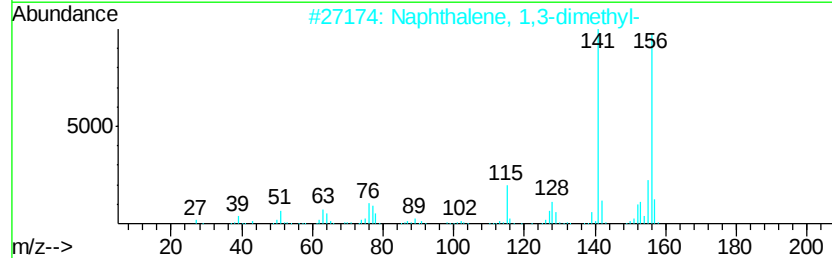
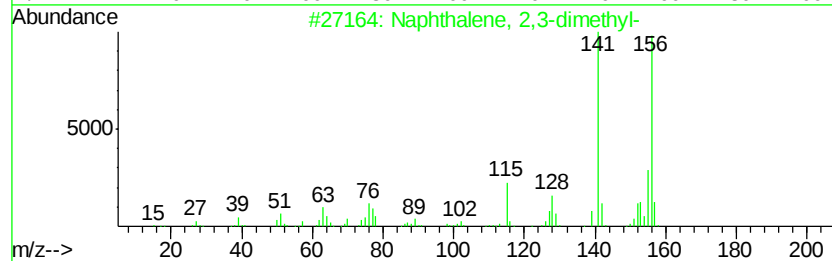
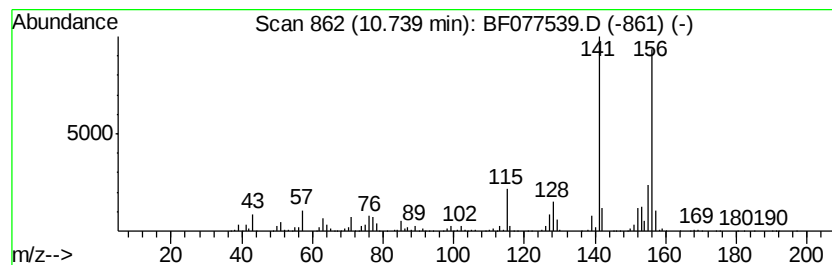
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	22.97 ng	1595310	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077539.D
Acq On : 2 Mar 2015 23:12
Operator : TP/IZ
Sample : G1402-05 20X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44

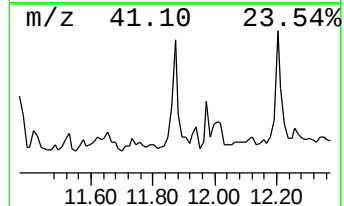
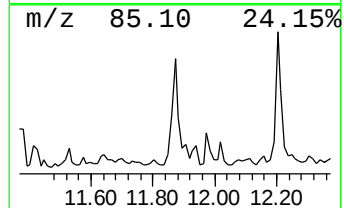
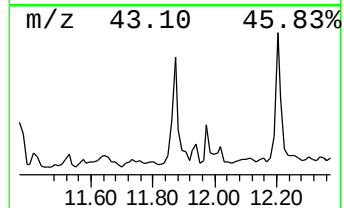
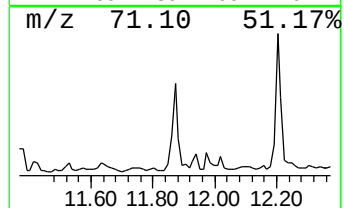
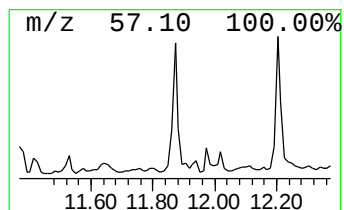
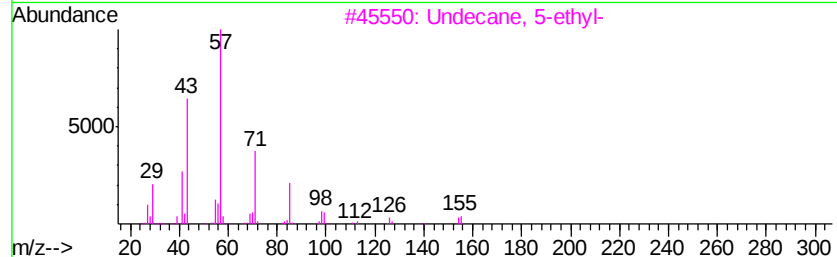
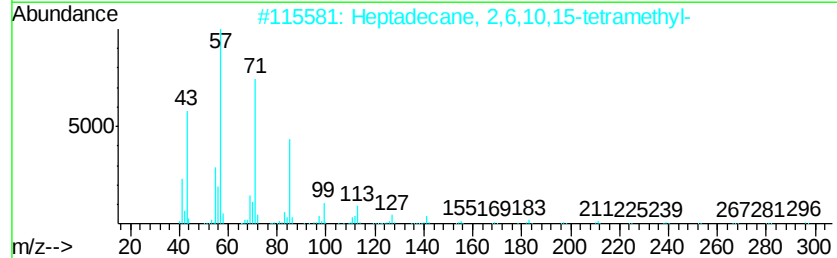
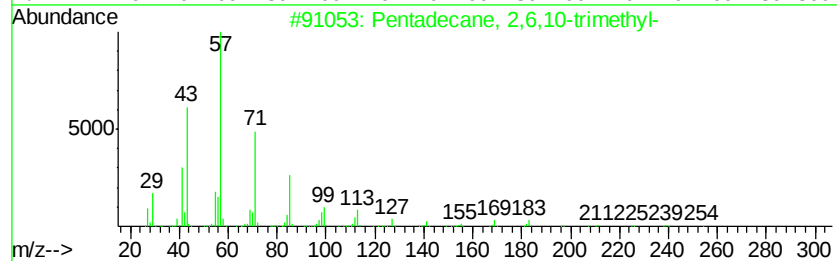
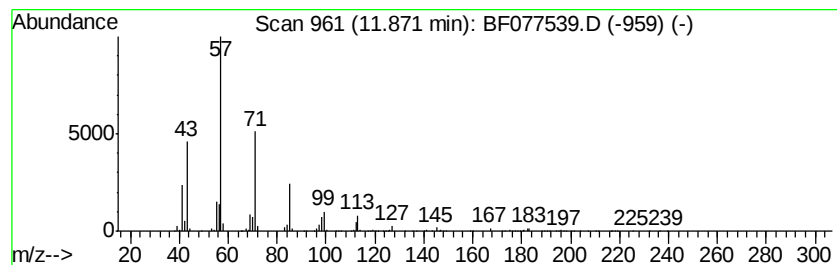
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentadecane, 2,6,10-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	20.94 ng	1454410	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3		Undecane, 5-ethyl-	184	C13H28	017453-94-0	78
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077539.D
 Acq On : 2 Mar 2015 23:12
 Operator : TP/IZ
 Sample : G1402-05 20X
 Misc : S
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW44

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Octane	4.30	21.8	ng	700998	1	7.26	644002	20.0
Benzene, 1,3-dime...	5.53	66.1	ng	2129760	1	7.26	644002	20.0
Benzene, 1-ethyl-...	6.68	50.2	ng	1617170	1	7.26	644002	20.0
Benzene, 1-ethyl-...	6.72	36.3	ng	1170130	1	7.26	644002	20.0
Benzene, 1,2,3-tr...	6.77	33.5	ng	1079850	1	7.26	644002	20.0
Benzene, 1,3,5-tr...	7.05	90.2	ng	2904190	1	7.26	644002	20.0
Indane	7.48	176.2	ng	5672670	1	7.26	644002	20.0
Benzene, 1,3-diet...	7.57	21.7	ng	698086	1	7.26	644002	20.0
Benzene, 1-ethyl-...	7.66	26.1	ng	840719	1	7.26	644002	20.0
Benzene, 2-ethyl-...	7.93	30.2	ng	971755	1	7.26	644002	20.0
Benzene, (2-methy...	8.02	28.6	ng	920315	1	7.26	644002	20.0
Naphthalene, 1-et...	10.42	43.4	ng	3013460	3	11.01	1389200	20.0
Naphthalene, 2,6-...	10.51	34.7	ng	2407870	3	11.01	1389200	20.0
Naphthalene, 2,3-...	10.60	42.9	ng	2978270	3	11.01	1389200	20.0
Naphthalene, 1,6-...	10.64	27.5	ng	1911760	3	11.01	1389200	20.0
Naphthalene, 1,3-...	10.74	23.0	ng	1595310	3	11.01	1389200	20.0
Pentadecane, 2,6,...	11.87	20.9	ng	1454410	3	11.01	1389200	20.0